Evaluating the evidence of widespread maintenance of functional composition in vertebrate communities

A Preprint

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Abstract

Despite unprecedented environmental change due to anthropogenic pressure, recent work has found increasing species turnover but no overall trend in species diversity through time. Functional diversity provides a potentially powerful alternative approach for understanding community composition by linking shifts in species identity to mechanisms of ecosystem processes. Here we present the first multi-taxa, multi-system analysis of functional change through time, pairing thousands of vertebrate assemblage time series from the BioTIME database with existing trait data representative of a species' functional role. We found no overall trend in any functional diversity metric, despite similar species-based patterns of constant richness with increasing turnover. The lack of trend held even after correcting for changes in species richness and at the study-level, where only 3 of 54 studies experienced a significant trend in at least one functional diversity metric. Results give evidence that across a variety of taxa, climates, and biomes, functional characteristics are maintained even in the face of significant environmental and community change. We also discuss the potential for underlying functional shifts to be obscured by current approaches and data, calling for targeted data collection efforts to combat existing biases in monitoring and trait data.

Keywords biodiversity change · functional traits · global change · time series

Significance Statement

How are ecological communities responding to anthropogenic change? Functional trait approaches allow us to assess this questions by directly measuring shifts in the characteristics that define a species' ecological role. Here, we pair vertebrate community time series with functional trait data to take a first look at temporal trends in functional composition across biomes, realms, and taxa. We found no evidence of systematic functional loss across communities, with maintenance of all measured aspects of functional structure. We also highlight the need for targeted data collection and methodological expansion to further assess functional trends.

1 Introduction

Ecological communities are experiencing unprecedented change as a result of anthropogenic pressures such as climate change, land use change, and invasive species. Impacts of these pressures are well documented at a global scale by an accelerating global extinction rate (1), and fundamental changes in some of the most well-studied systems (e.g. coral bleaching, 2). At the local scale however, species diversity tells a different story. Recent syntheses of local trends in biodiversity over time have found no net change in local species diversity despite ongoing turnover (3–6) and evidence of significant shifts in community composition

underlying consistent species richness (7–9). While communities are clearly changing, our most common species-based approaches do not fully capture the nature of that change.

Functional diversity offers a potentially powerful alternative for detecting and describing community change by providing a mechanistic link between species' response to environmental change (*response traits*) and the processes they perform (*effect traits*) (10–12). By describing the functional trait space, functional diversity metrics capture the disproportionate impact of losses or gains of functionally unique species. Functional diversity metrics are therefore particularly well suited for assessing community shifts underlying even constant species richness trends.

Beyond simply characterizing changes in community structure, trends in functional composition also have important implications for ecosystem stability, function, and resilience. There is increasing evidence functional diversity is a better predictor of ecosystem function than species-based metrics (13, 14), and that different facets of functional diversity play essential roles in maintaining ecosystem stability (15, 16). Indeed, almost all hypothesized mechanisms underpinning the relationship between species diversity and ecosystem function are trait-dependent (17). Determining functional trends therefore gives a more fundamental picture of potential trends in critical ecosystem processes.

It is critical to establish whether or not functional loss is prevalent across communities. While functional loss is frequently cited as one of the most pressing concerns of the anthropocene (18–20), it is not necessarily inevitable even in scenarios of species loss (21). Forecasts of functional loss range from negligible (22) to dire (23, 24). And while some observed trends show significant functional loss (25) others document no loss even in some of the most heavily impacted communities (26, 27). On paleoecological time scales functional composition shows mixed responses to environmental change and extinction events (28, 29), with significant impacts of species extinctions on functional diversity in some taxa and not others (30). Some losses of functional diversity are indisputable on both paleocological and contemporary timescales such as continued trophic downgrading due to loss of large-bodied mammals, but implications of those losses for local diversity patterns are less clear (31, 32) .

Assessments of broad-scale temporal change in functional diversity have previously been limited by a lack of functional trait data. The majority of work has therefore focused largely on system-specific studies with traits collected *in situ*. Ongoing efforts to assemble functional traits for a variety of taxa have made synthesis of existing community assemblage data and functional traits possible for the first time, providing initial insights into the ways functional diversity changes on a broad scale for specific taxa (e.g. fish, 33, birds, 34, 35). However, to date there has been no cross-taxa assessment of temporal functional change for a broad geographic and taxonomic extent.

Here we perform the first multi-taxa, multi-system assessment of functional diversity change through time. We focus on mammal, bird, and amphibian species as a significant subset of the world's biodiversity heavily impacted by anthropogenic change. While examining trends in plants, invertebrates, and other vertebrate species is of equal interest, trait data for those taxa raise additional challenges such as limited and biased species coverage (36), a lack of accepted species-level means, and differences in the types of traits collected. In order to ensure comparability across taxa in trait type and data quality we therefore focus on mammals, birds, and amphibians. Traits were intentionally selected to be representative of a species' Eltonian niche, thereby summarizing the functional role they play in the community (37).

We assess thousands of mammal, bird, and amphibian functional diversity time series to determine whether or not there is a general trend of functional change, both in observed metrics and in metrics corrected for changes in species richness. We distinguish between three possible scenarios of functional change: 1) significant loss of functional diversity with accompanying shifts in other functional metrics, 2) no functional diversity loss, but significant shifts in other functional metrics, 3) maintenance of functional diversity and composition. Based on expectation due to human impacts, we expect to find a significant functional loss with further restructuring indicated by the additional metrics.

2 Results

We found no significant overall trend in species richness or summary functional diversity metrics (observed or standardized) (Fig 1). We did find a significant overall decrease in Jaccard similarity, indicating increasing turnover through time. Non-significant overall trends indicate that although some studies experience increasing or decreasing trends, the average trend across studies was plausibly 0 (Table 1). Trends for different taxa, biomes, or realms were also non-significant with the exception of a significantly increasing trend for functional

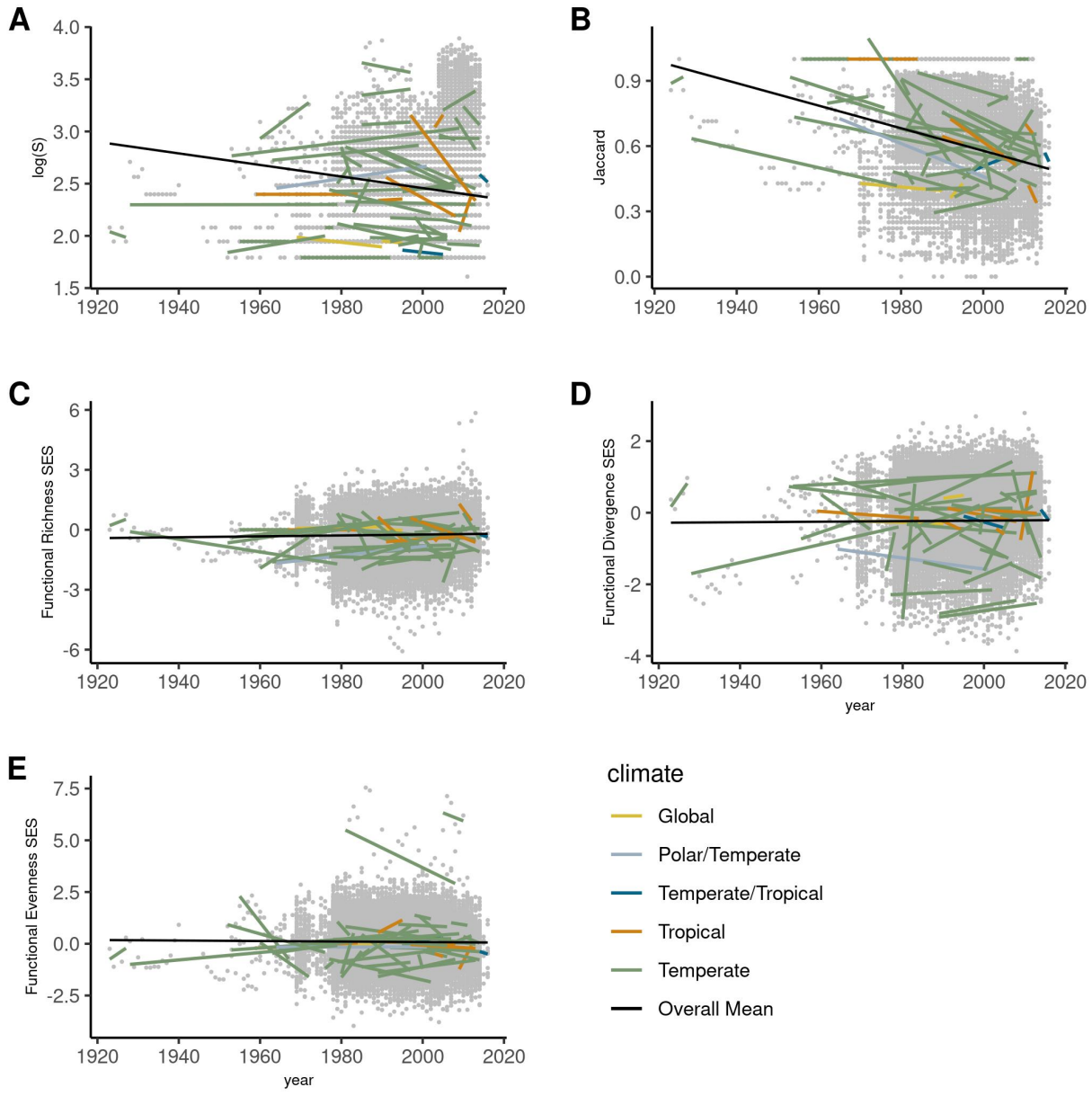

Figure 1: Plots of time series-level trends with line color corresponding to climatic region, with data points in grey and the overall metric mean in black for A) log species richness, B) Jaccard similarity, C) Functional Richness SES, D) Functional Divergence SES, and E) Functional Evenness SES

evenness of global studies (characterized by having samples on multiple continents), and a significantly decreasing standardized functional richness slope for freshwater studies. However, with only two global studies and two freshwater studies these results are not general trends. We found similar results for the *CWM* models, with a significant trend for only one trait, percentage of aerial foraging utilization, which showed a significant positive trend.

At the study level, 4 studies experienced a significant trend in species richness and only 10 of 54 studies for observed metrics and 3 of 54 studies for standardized metrics experienced a significant trend for a metric other than Jaccard similarity (Table 2). Most significant trends for observed functional metrics are in functional richness and disappeared after standardization, indicating that richness increases were likely due to changes in

Table 1: Model estimates and statistics for general trend models for species richness, Jaccard similarity, and standardized functional diversity metrics. Additional model estimates, including CWM models, can be found in the supplement.

metric	effect	grouping	term	estimate	std.error	p.value
Species Richness	fixed		Intercept	2.49	0.09	<0.001
			Year	-0.06	0.04	0.15
	random	study	SD Intercept	0.58		
			SD Year	0.24		
			Corr(Intercept, Year)	-0.71		
		time series within study	SD Intercept	0.19		
			SD Year	0.08		
			Corr(Intercept, Year)	0.36		
Jaccard	fixed		Intercept	0.61	0.02	<0.001
			Year	-0.05	0.01	<0.001
	random	study	SD Intercept	0.14		
			SD Year	0.03		
			Corr(Intercept, Year)	-0.48		
		time series within study	SD Intercept	0.11		
			SD Year	0.03		
			Corr(Intercept, Year)	0.02		
SES_FDiv	fixed		Intercept	-0.22	0.10	0.04
			Year	0.01	0.04	0.88
	random	study	SD Intercept	0.56		
			SD Year	0.11		
			Corr(Intercept, Year)	-0.12		
		time series within study	SD Intercept	0.60		
			SD Year	0.23		
			Corr(Intercept, Year)	0.00		
SES_FEve	fixed		Intercept	0.09	0.16	0.58
			Year	-0.01	0.02	0.65
	random	study	SD Intercept	1.05		
			SD Year	0.05		
			Corr(Intercept, Year)	-0.62		
		time series within study	SD Intercept	0.40		
			SD Year	0.17		
			Corr(Intercept, Year)	-0.21		
SES_FRic	fixed		Intercept	-0.25	0.07	<0.001
			Year	0.02	0.04	0.55
	random	study	SD Intercept	0.27		
			SD Year	0.11		
			Corr(Intercept, Year)	-0.28		
		time series within study	SD Intercept	0.54		
			SD Year	0.18		
			Corr(Intercept, Year)	0.06		

the number of species. However, the majority of the functional richness trends were negative, indicating that when change is occurring it is more often a loss. Hypothesis testing for study-level trends is likely affected by multiple testing issues and some trends identified as significant are therefore potentially spurious. Rather than interpreting changes in specific studies, we present these results as a general picture of how few studies experienced a significant trend and highlight that even that count is likely an overestimate.

Study-level slopes for multiple metrics were significantly related to the duration and start year of studies. Slopes for species richness were significantly more negative with later start date and more positive shorter duration studies. Jaccard similarity and functional evenness both had significantly more negative slopes with more recent start year, whereas functional divergence was significantly more positive. Slopes for functional evenness were also significantly more positive for longer duration studies. Results were consistent between

Table 2: Number of studies that experienced a signficiant trend in each calculated metric out of 53 total studies.

	S	Jaccard.Similarity	FRic	FEve	FDiv	SES.FRic	SES.FEve	SES.FDiv
+	1	0	2	1	0	0	0	0
-	3	37	6	0	1	1	2	1

standardized and observed metrics with exception of functional evenness, which was negatively related to duration for observed data and positively related for standardized data. See supplement for estimates and p-values for all models.

3 Discussion

Our study represents the largest broad-scale multi-taxa assessment of functional change through time to date, giving a first look at aggregate and local trends in functional diversity in mammal, bird, and amphibian communities. Surprisingly, we did not detect an overall trend in any of the chosen functional diversity metrics. As with previous species-based syntheses, we also found no overall trend in species richness accompanied by increasing turnover through time (29), indicating that non-significant trends in functional metrics may be consistent with similar well-documented species derived trends. We found no evidence of systematic functional richness loss or functional change. A lack of trend for almost all realms, biomes, and taxonomic groups gives further evidence that directional functional change is absent from all systems observed in our dataset. Additionally, results from *CWM* models show that there were very few general shifts in functional trait values.

This striking result could be a product of two possible processes, one ecological and one methodological. Null trends appear to give strong evidence of systematic maintenance of functional structure due to common ecological processes, however multiple limitations of current approaches in synthesis could potentially be obscuring a true underlying global trend. We discuss both options further here.

3.1 Evidence of Ecological Processes

Communities demonstrated almost universal maintenance of functional composition. While the majority of the studies (~70%) included in our data experienced significant species turnover, only three (for standardized metrics) experienced a significant shift in any functional dimension. This suggests certain characteristics of the functional space are maintained even in the face of significant change in species identity, specifically the size of the functional space occupied by the community (*FRic*), the distribution of species and individuals within that space (*FEve* and *FDiv*), and the mean of individual trait distributions (*CWM*). On average, species additions have similar functional characteristics as lost species and therefore maintain the structure of the functional space.

These results challenge assumptions that functional loss is the default state of all or even many communities. And while there is some evidence that functional loss may be more common than functional gains for communities experiencing functional change, there was no significant trend for even the longest running and most heavily impacted studies. The North American Breeding Survey for example is considered an authoritative dataset on the state of bird populations on the continent and underpins policy decisions about bird conservation (38–40). No more robust dataset exists to capture North American avian community change, yet we detected no general shifts in functional structure across the dataset. Further, none of the 5 included studies that experienced a manual manipulation (e.g. burning, grazing exclosure, etc) experienced any significant functional trends.

Results are also seemingly inconsistent with predictions for trait shifts under global change. For example, mean body size is predicted to decrease as a result of climate change impacts and megafaunal loss (41), a phenomena which has already been well documented empirically and experimentally in multiple taxa (42–45). While the species-level trait means used here are not appropriate for assessing intraspecific body size shifts, we would expect to see shifts in community-wide means due to local losses of large-bodied species. Instead, we found no evidence of a trend in *CWM* body size.

While we did not directly measure changes in rare species, our results further contradict likely scenarios of loss predicted due to rare species extinction. Rare species, defined by small populations and geographic

restriction, are simultaneously more likely to be functionally distinct and at higher risk for extinction (46–48). Locally, communities losing functionally rare species should exhibit strong functional shifts as lost species can eventually no longer be replaced by functionally similar species (49). Observed patterns were instead consistent with species replacement by functionally redundant species from the species pool. Still, for many time series we likely did not have a large enough time window to capture community and species pool impoverishment due to extinction.

What does local maintenance of functional structure mean for ecosystem function? The vast majority of experimental and observational work links declines in function to declines in functional or species diversity (7, 13, 50). By those criteria very few communities in our dataset are in a state of concern for loss of functionality. However, shifts in metrics are only relevant if the underlying traits are those most critical for ecosystem function. We were limited in this analysis to the traits available rather than those with strong empirical links to function. Similarly, the dimensions of functional space most important for ecosystem function are still a topic of ongoing debate, and at least some known aspects important for multifunctionality were not measured here (e.g. dispersion, rarity, abundance of dominant species, 51). Still, the fact that we observed so many communities maintaining structure across the most commonly used metrics for linking biodiversity and function calls into question how previous work translates to natural communities. Metrics need to be both closely linked to changes in ecosystem function and also experiencing shifts in natural communities to be meaningful.

3.2 Potential Methodological Limitations

Here we approach the question of functional change using the best available data and biodiversity synthesis approaches. However, a number of gaps in best practices may be obscuring a true underlying trend. First, the BioTIME database, while the most comprehensive data source of time series available, is limited in temporal and geographic scope. Most time series span only a few years (Fig 2) and may not provide the statistical power necessary to detect trends. The database is also not a representative sample of the world's biodiversity or areas of greatest threat (6, 52), and the subset of data in this study exhibits a strong Northern Hemisphere bias. We may simply not have data from those areas experiencing the greatest perturbation (53), particularly scenarios of conversion to urban, human-dominated landscapes. While evidence from other work shows even disturbed communities can maintain functional structure (26, 27), these results should not be interpreted as evidence of low functional impact in areas of heavy human disturbance.

Second, despite using the most comprehensive trait databases for these taxa, we were still limited to species-level means of the traits deemed important by database creators. The importance of intraspecific variation is well documented (54, 55), however individual-level traits are rarely collected alongside monitoring data, especially for the longest running efforts. Species-level traits may be obscuring more subtle shifts in the trait space happening within species. Likewise, available trait data may not capture the traits experiencing the greatest change.

Third, while we use here the most common metrics for describing functional diversity, they do not measure some potentially important aspects of the functional space. Most notably, the summary metrics we calculated do not capture shifts in the location of the functional space as a whole. For example, two communities could have very similar metric values but no overlap in their trait spaces. This is especially relevant in the context of biodiversity change as a species loss could be replaced by a species with very different functional attributes, but the replacement would go undetected if the new species expanded the trait space by the same degree and had similar abundance. This scenario may be common in communities tracking changing environmental conditions. While trait *CWM's* capture axis shifts, approaches for assessing multidimensional shifts in functional space are still relatively new (56–58) but could shed critical insight into functional composition changes of this nature.

3.3 Policy Implications

Our results should not be interpreted as an indication that the ongoing biodiversity crisis is less severe than previously described, or that there is no concern for functional change as a result of anthropogenic impact. These findings do not negate a substantial body of work linking functional degradation to direct human intervention in the form of land use change and intensification or habitat fragmentation (25, 59, 60), but rather illustrate trends for communities experiencing background levels of environmental change. Rather than assuming functional structure will be maintained in areas of concern, our work indicates that when measurements of functional diversity show significant shifts, it should be considered an indication of substantial community change and outside the normal expectation.

3.4 Future Work

Here we make a significant first step in establishing a general trend for functional diversity through time across a variety of taxa and systems. We present the conclusion best supported by available data and acknowledge that it is still too early to confidently distinguish between true ecological pattern and methodological limitations. The most pressing next step is for intentional and targeted data collection efforts. We join others in the call for increased monitoring in under sampled areas and continued efforts to centralize existing data sources (6, 52, 53). Data that fill geographic, taxonomic and trait gaps should be prioritized over further collection of data that replicate existing biases. One relatively low-cost high-reward data investment is collation of additional species-level trait means. Intentional trait selection is critical for linking functional patterns to ecological processes (61), however synthesis is constrained to the traits in a few taxa-specific databases. Trait collection should explicitly consider existing frameworks for linking traits to processes (e.g. the response and effect framework 10) to facilitate clear ecological interpretation of potential functional changes.

4 Material and Methods

4.1 Data

We obtained mammal, bird, and amphibian time series from the BioTIME database, a global repository of high quality assemblage time series. All studies included in the database follow consistent sampling protocols and represent full assemblages rather than populations of single species (29). Following best practices for the database (62), studies with multiple sample locations were split into individual time series following a standardized spatial scale. Scale was set by a global grid with cell size determined based on the sample extent of studies with only a single location (see 29 for details on how sample extents were defined), with the area of each cell set to one standard deviation away from the mean of the single extent locations. All samples from a study within a single cell were considered to be a single time series, and species abundances were combined for all samples.

Table 3: Summary of the data in the final trait database.

Taxa	Number of Time Series	Number of Species	Trait Source	Traits
Mammals	48	184	Elton Traits	body mass, diet, active diel period
Birds	2380	700	Elton Traits	body mass, diet, nocturnality, forest foraging strata, pelagic specialist
Amphibians	11	184	Amphibio	habitat, diet, active diel period, activity seasonality, body mass, body length, min maturation size, max maturation size, min offspring size, max offspring size, reproductive output, breeding strategy

We gathered trait data from the Elton Trait Database (mammals and birds, 37) and Amphibio (amphibians, 63). These databases include species-level means for traits that partially represent species' multifaceted function in the community including body size, diet, and behavioral characteristics. For the full list of traits included in the analysis for each taxon see Table 3. Multiple traits (i.e. diet, foraging strata, activity seasonality, active diel period) were broken down into percentage or binary use for each level.

In order to ensure taxonomic consistency across datasets, BioTIME species were paired with trait data based on their species identifier from the Integrated Taxonomic Information System database (retrieved 09-15-2020 from the on-line database, `https://doi.org/10.5066/F7KH0KBK`), obtained through the `taxadb` R package (64, 65). If more than one species in the assemblage data resolved to the same identifier, observations were considered the same species. For trait data, traits for all species of the same identifier were averaged. Only studies with at least 75% trait coverage were included and observations for species with no trait data were excluded. In order to have a sufficient number of species to calculate functional diversity metrics, years with fewer than 5 species observed were also excluded.

Many studies had a variable number of samples within years. To account for this inconsistency in sampling effort we used sample-based rarefaction by bootstrap resampling within years for each time series based on the smallest number of samples in a year for that time series.

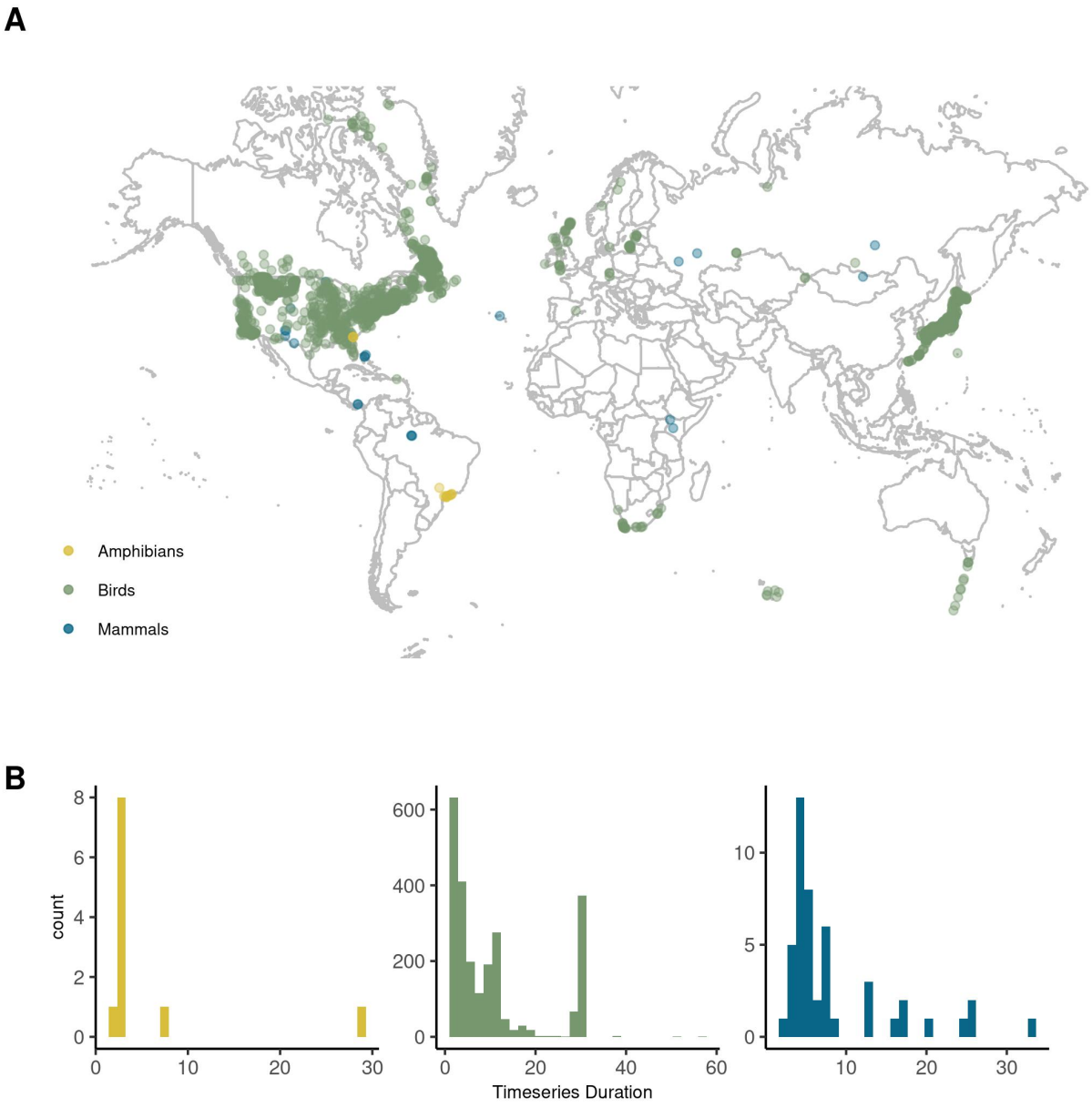

Figure 2: A) Map of time series locations with points colored by taxa, and B) histograms of time series duration broken down by taxa.

Our final dataset included 2,443 time series from 53 studies in 21 countries and 15 biomes and 13 different traits (Fig 2). The earliest sample was in 1923 and the most recent was in 2016. Only four studies (consisting of 11 time series) came from Amphibian studies due to the limited availability of amphibian time series and low species richness values for assemblages (Table 3). Amphibians are of particular concern due to impacts of habitat loss and pollution (66), so we include data while acknowledging that general inference for amphibians as a clade is not possible with the time series available. For a full breakdown of studies and their characteristics, see the supplement.

4.2 Diversity Metrics

We calculated yearly metrics of functional and species diversity for each time series. Species-based metrics include species richness (S) and Jaccard similarity (J) as a measure of turnover. Jaccard similarity was calculated relative to the first observed year for a time series. A negative trend in J would therefore indicate increasing turnover.

Functional diversity metrics were calculated using the *dbFD* function from the *FD* R package (67). Here we report functional richness (*FRic*), functional evenness (*FEve*), and functional divergence (*FDiv*) which together describe three complementary characteristics of the functional space (17, 68). *FRic* assesses the volume of the trait space occupied by species in the community, with higher values indicating communities with species of more extreme trait values. *FEve* describes how species are distributed across the trait space and how abundance is distributed across species. Higher values of *FEve* indicate more even spacing of species in the trait space and individuals across species. *FDiv* measures the degree to which species and their abundances maximize differences in the functional space. Higher values of *FDiv* therefore correspond to communities where many highly abundant species are on the edges of the trait space. We also calculated the community-weighted mean (*CWM*) of included traits to examine shifts in the distribution of each trait.

All available trait data for each study were included in functional diversity calculations with the exception of traits that were the same value for all observed species in the study. For variables with multiple levels each level was included as a separate trait axis. Continuous traits were z-score scaled to give each trait equal weight in the trait space (69, 70). The number of trait axes was limited to the maximum number of traits that fulfills the criteria $s >= 2^t$, where s is the number of species and t is the number of traits. This restriction allows for a sufficient number of axes to capture the trait space while maintaining computational feasibility (57). Metrics incorporated weighting based on species abundance where available (three studies were presence only).

4.3 Null Models

To assess functional change independent of species richness we calculated the standardized effect size (SES) for each of the three summary functional diversity metrics (*FRic*, *FEve*, *FDiv*) from null estimates (71). Null model corrections allow us to assess the degree to which the observed functional diversity metric deviates from the value expected by chance in a randomly assembled community. Null estimates were calculated for each rarefied sample by randomly sampling species from the species pool for each year and randomly assigning observed abundances to species. Species pools included all species observed for a time series. This process was repeated 500 times to get an estimate and standard deviation of the null expectation for the metric for each rarefaction sample for that time series. We used these values to calculate SES using the following formula: $SES = [F_{obs} - mean_{(F_{null})}]/SD_{(F_{null})}$. We then calculated the median SES estimate for each metric from all the rarefaction samples for a time series. SES estimates can be interpreted as how much of the functional characteristic (richness, evenness, divergence) was observed beyond what was expected by chance for a community of that species richness.

4.4 Analysis

We estimated general trends for each diversity metric using a linear mixed effects model with a random slope and intercept for each study and each time series nested within the study. All time series with data for a given trait were included in the model. Trends could not be estimated for the *CWM*'s of three traits due to limited data: maximum age at maturity, minimum age of maturity, and minimum litter size. We fit 24 individual *CWM* models.

For all other species and functional diversity metrics (S, J, *FRic*, *FEve*, *FDiv)* we obtained study-level estimates of temporal change from the Best Linear Unbiased Predictors (BLUPs) for each overall trend model. BLUP's provide estimates for the conditional mean and variance of a random effect from which we calculated 95% confidence intervals to determine significance of study-level slopes.

To test for trends within and between different levels of taxa, biome, and realm we fit separate models with each of those factors added as a predictor to the original model structure. We estimated within-level slopes and calculated between-level contrasts using the *emmeans* package (72). We assessed the impact of time series duration and start year on study-level trends using general linear models with duration and start year as predictors. All models were executed using the *lme4* package in R and p-values were calculated by

Satterthwaite's degrees of freedom method using the *lmerTest* package with a significance level of $\alpha = 0.05$ (65, 73, 74).

5 Data Availability

Code for the analyses in this chapter is archived on Zenodo at 10.5281/zenodo.5514334. Data products are also archived on Zenodo at 10.5281/zenodo.6499442. Original data sources are open access and available at their respective providers.

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study_metadata

study_id	realm	climate	general_treat	treatment	treat_comments	treat_date	habitat	protected_area	biome_map	taxa
39	Terrestrial	Temperate					Deciduous forest	FALSE	Temperate broadleaf and mixed forests	Birds
41	Terrestrial	Temperate					Woodland	FALSE	Temperate broadleaf and mixed forests	Birds
46	Terrestrial	Temperate					Woodland	FALSE	Temperate broadleaf and mixed forests	Birds
47	Terrestrial	Temperate					Ponds	FALSE	Temperate grasslands, savannas and shrublands	Birds
56	Terrestrial	Temperate					Savanna/ Tallgrass prairie	FALSE	Deserts and xeric shrublands	Mammals
58	Terrestrial	Tropical					Long term monitoring site	FALSE	Tropical and subtropical dry broadleaf forests	Birds
59	Terrestrial	Temperate					Urban / Desert	FALSE	Deserts and xeric shrublands	Mammals
67	Terrestrial	Temperate					Ponds	FALSE	Deserts and xeric shrublands	Birds
69	Marine	Temperate					Coastal habitats	FALSE	Temperate shelf and seas ecoregions	Birds
77	Marine	Temperate					Coastal habitats	FALSE	Temperate shelf and seas ecoregions	Birds
91	Marine	Temperate					Coastal habitats	FALSE	Temperate shelf and seas ecoregions	Birds
108	Marine	Global					Oceanic waters	FALSE	Multiple ecoregions	Birds
166	Marine	Global					Oceanic waters	FALSE	Multiple ecoregions	All
169	Marine	Temperate					Coastal habitats	FALSE	Temperate shelf and seas ecoregions	All
171	Marine	Temperate/Tropical					Multiple marine habitats	FALSE	Multiple ecoregions	Mammals
172	Marine	Temperate					Oceanic waters	FALSE	Temperate shelf and seas ecoregions	All
195	Terrestrial	Temperate					Mixed	FALSE	Temperate grasslands, savannas and shrublands	Birds
217	Terrestrial	Temperate	FALSE				Mixed	FALSE	Multiple ecoregions	Birds
311	Terrestrial	Temperate	14 permanent traplines established on seven fire-grazing treatments (two traplines per treatment)				Tallgrass prairie	FALSE	Temperate grasslands, savannas and shrublands	Mammals
312	Terrestrial	Tropical					African savanna	TRUE	Tropical and subtropical grasslands, savannas and shrublands	Mammals
321	Terrestrial	Temperate	vegetation responses to the exclusion of small mammals	one unfenced control plot. one fenced plot to exclude rodents and rabbits. and one fenced plot to exclude rabbits only	Each of the three or four plots in a replicate block are separated by 20 meters		Shrubland	FALSE	Deserts and xeric shrublands	Mammals
328	Freshwater	Temperate					mixed hardwood-pine wetland	TRUE	Small river ecosystems	Amphibians
333	Terrestrial	Temperate					Tallgrass prairie gallery forest and riparian edge	TRUE	Temperate grasslands, savannas and shrublands	Birds
337	Terrestrial	Temperate					upper montane forests above 2700 feet in the North	FALSE	Temperate broadleaf and mixed forests	Birds
339	Terrestrial	Temperate					Forest	FALSE	Temperate broadleaf and mixed forests	Birds
341	Terrestrial	Temperate/Tropical					Mixed	TRUE	Tropical and subtropical moist broadleaf forests	Amphibians
357	Terrestrial	Temperate					Praire	FALSE	Temperate grasslands, savannas and shrublands	Mammals
362	Terrestrial	Tropical	grazer exclusion	Open (control) and Total(grazers excluded)	All grazers over 5kg were excluded from savanna sites along a rainfall gradient. Control plots had no exclusion treatment	2008	savanna	FALSE	Tropical and subtropical grasslands, savannas and shrublands	Mammals
363	Terrestrial	Temperate					Forest	TRUE	Tundra	Birds
366	Terrestrial	Temperate					Mixed	FALSE	Deserts and xeric shrublands	Mammals
372	Terrestrial	Temperate					Mixed	FALSE	Temperate broadleaf and mixed forests	Birds
373	Terrestrial	Temperate					Mixed	FALSE	Temperate broadleaf and mixed forests	Mammals
374	Marine	Temperate					Tidal flats	FALSE	Temperate shelf and seas ecoregions	Birds
376	Terrestrial	Temperate					Forest and grassland	FALSE	Temperate broadleaf and mixed forests	Birds
377	Terrestrial	Temperate					Forest and grassland	FALSE	Temperate broadleaf and mixed forests	Birds
382	Terrestrial	Temperate	Two sites were burnt (Heart Lake in 1952 and Keeley Creek in 1955)	Lake County - No burn Heart Lake and Keeley Creek - Burn		1952 and 1955	Mixed Conifer-Hardwood Forest	FALSE	Temperate broadleaf and mixed forests	Mammals
403	Freshwater	Tropical					Natural ponds and small dams	FALSE	Small lake ecosystems	Amphibians
420	Terrestrial	Polar/Temperate					Scandinavian taiga	FALSE	Tundra	Birds
439	Terrestrial	Temperate					pine forest	TRUE	Temperate grasslands, savannas and shrublands	Birds
440	Terrestrial	Temperate					pine-birch forest	TRUE	Temperate grasslands, savannas and shrublands	Birds
441	Terrestrial	Temperate					birch forest	TRUE	Temperate grasslands, savannas and shrublands	Birds
442	Terrestrial	Temperate					semi-abandoned village	TRUE	Montane grasslands and shrublands	Birds
443	Terrestrial	Temperate					semi-abandoned village	TRUE	Montane grasslands and shrublands	Birds
444	Terrestrial	Temperate					wetland floodplain	FALSE	Boreal forests/Taiga	Birds
445	Terrestrial	Temperate					floodplain	FALSE	Large river ecosystems	Birds
446	Terrestrial	Temperate					forests agricultural fields and meadows	FALSE	Temperate broadleaf and mixed forests	Mammals
447	Terrestrial	Temperate					forests agricultural fields and meadows	TRUE	Temperate broadleaf and mixed forests	Mammals
448	Terrestrial	Temperate					forests agricultural fields and meadows	FALSE	Boreal forests/Taiga	Mammals
449	Terrestrial	Temperate					forests agricultural fields and meadows	FALSE	Boreal forests/Taiga	Mammals
459	Terrestrial	Temperate					European forest	FALSE	Temperate broadleaf and mixed forests	Birds
475	Terrestrial	Temperate					Boreal forest	FALSE	Boreal forests/Taiga	Birds
515	Terrestrial	Tropical					Isthmian-Atlantic Moist Forests	FALSE	Tropical and Subtropical Moist Broadleaf Forests	Mammals
516	Terrestrial	Tropical					uatuma-Trombetas Moist forests	FALSE	Tropical and Subtropical Moist Broadleaf Forests	Mammals

organisms	title	ab_bio	has_plot	data_points	start_year	end_year	cent_lat	cent_long	number_of_species	number_of_samples	number_lat_long	total	grain_size_text	grain_sq_km	area_sq_km
birds	Bird community dynamics in a temperate deciduous forest Long-term trends at Hubbard Brook	A	S	45	1970	2015	43.91	-71.75	52	45	1	959	50m interval plots from 500 x 100 m area	0.05	0.1
birds	Time and space and the variation of species	A	S	10	1923	1940	39.5	-82.48	56	10	1	418	counts from 28 ha	0.28	5.18E-06
breeding bird pairs	Skokholm Bird Observatory	A	S	47	1928	1979	51.698	-5.277	29	47	1	528	counts from 1 km sq	1	6.45E-06
ducks	Detection of Density-Dependent Effects in Annual Duck Censuses	A	Y	26	1952	1977	50.845447	-107.446257	13	35	2	392	0.2 km wide transects	0	4.154398111
small mammals	Small Mammal Mark-Recapture Population Dynamics at Core Research Sites	AB	Y	20	1989	2008	34.2	-106.43	28	8026	1	16657	24 x 3.14 ha webs	0.0314	4.84E-06
birds	Avian populations long-term monitoring dataset. San Juan. Puerto Rico Luquillo Long Term Ecological Research Site Database Grid points bird counts DBAS 23	A	Y	18	1991	2008	18.19	-65.43	31	6	1	1171	counts within 25m circular plots	0.0019625	0.16
rodents	Long-term monitoring and experimental manipulation of a Chihuahuan Desert ecosystem near Portal. Arizona. USA	A	Y	26	1977	2002	30.3226	-103.501	29	2	1	427	24 x 0.25 ha plots	0.0025	0.0025
waterbirds	Animal Demography Unit - Coordinated Waterbird Counts (CWAC) (AfrOBIS)	A	S	24	1983	2006	-28.954467	24.950961	68	417	417	15448	400-600 wetlands	0	1586205
seabirds	Seabird 2000 (EurOBIS)	A	S	10	1994	2003	54.783267	-4.26303	27	9864	1476	22694	10m2 to 100m2	1E-05	315159
seabirds	MEDITS Seabird surveys 1999 - 2000 - 2002	A	S	3	1999	2002	38.696508	-0.675526	16	703	703	1072	sightings on trawl surveys	0	197847
birds	Baltic seabirds transect surveys	A	S	8	1992	1999	57.038966	20.555517	68	2329	2329	6318	300 m transects	0.3	153286
birds	Seabirds of the Southern and South Indian Ocean (Australian Antarctic Data Centre)	A	S	29	1977	2006	-27.17355	3.945813	123	59928	57723	116226	sightings from various cruises	0	162783730
pelagic seabirds	PIROP Northwest Atlantic 1965-1992 (SEAMAP)	A	S	25	1965	1992	36.075242	-70.991806	213	144510	51670	155600	vessel based surveys	0	114454343
mostly seabirds + some marine mammals	CalCOFI and NMFS Seabird and Marine Mammal Observation Data. 1987-2006 (SEAMAP)	A	S	20	1987	2006	34.858456	-121.614941	185	56832	56813	61730	3 km bins	0.9	1350384
Marine mammals + a few turtles	Bahamas Marine Mammal Research Organisation Opportunistic Sightings (SEAMAP)	A	S	19	1988	2008	24.896312000000000	-76.292011	28	2362	2362	4774	sightings	0	106190
Cetaceans. seabirds + turtles	POPA cetacean. seabird. and sea turtle sightings in the Azores area 1998-2009 (OBIS SEAMAP)	A	S	12	1998	2009	35.009739	-24.224698	47	34883	34883	52291	sightings	0	1579112
Breeding birds	Breeding birds survey North America	A	Y	30	1978	2007	40.809241	-96.187269	385	440	440	699449	50 point counts on a 25 mile transect	25.42715162	13104786
Land birds	Landbird Monitoring Program (UMT-LBMP)	A	N	14	1992	2006	46.828888	-109.981603	268	43839	13800	336516		0	1057570.23
Small mammals	Seasonal summary of numbers of small mammals on 14 LTER traplines in prairie habitats at Konza Prairie	A	N	33	1981	2013	39.083333	-96.583333	15	847	1	2458	0.06	0.06	5.2E-06
Large herbivores	Stability in a Multi-Species Assemblage of Large Herbivores in East Africa	A	N	9	1959	1984	3.5	35.75	13	9	1	117	100	100	100
small mammals	Small Mammal Exclosure Study. Jornada LTER. SMES rodent trapping data	AB	Y	13	1995	2007	32.550335	-106.811564	19	11757	766	12787	0.5	0.5	9.9991855
Amphibians	The Rainbow Bay Long-term Study	A	N	30	1979	2008	32.26	-81.63	10	30	1	301	0.01	0.01	4.7E-06
birds	Weekly record of bird species observed on Konza Prairie	A	N	29	1981	2009	39.083333	-96.58333	132	903	1	9261		0	5.2E-06
Birds	Mountain Birdwatch	A	N	11	2000	2010	44.25	-72.1875	87	45	1	763	100m radius from bird count points area of Catskill mountains	0	15259
birds	Species trends turnover and composition of a woodland bird community in southern Sweden during a period of 57 years.	A	N	57	1953	2009	55.71667	13.33333	39	57	1	1210		0	7.1E-06
Anura	Brazil Dataset 1	A	Y	3	2014	2016	-24.034938	-47.02509	73	111	41	2009		0	16464.50995
Small mammal	Small Mammal Trapping Webs on the Central Plains Experimental Range	A	Y	13	1994	2006	40.82889	-104.7582	10	506	1	1104	100m	0.001	5.3E-06
small mammals	Plant and small-mammal responses to large-herbivore exclusion in an African savanna	A	Y	4	2009	2012	0.389236	36.891566	18	11052	81	30969	1ha	0.01	52.3438824
birds	The 37-year dynamics of a subalpine bird community with special emphasis on the influence of environmental temperature and Epirrita autumnata cycles.	A	Y	37	1963	1999	65.968055	16.31666	35	37	1	636		0	9.8E-06
rodents	Small Mammal Exclosure Study (SMES)	A	Y	25	1989	2013	34.35	-106.88	24	342	1	3389		0	4.8E-06
Birds	Monitoring site 1000 Village survey - Bird survey data	A	Y	9	2005	2013	34.952002	134.975315	219	1435	86	25195	0.1 km2 (1km x 100m)	0.1	1503776.691
Mammals	Village survey Medium and large mammal survey data	A	Y	8	2005	2012	37.071487	137.151876	25	18189	31	22347	100 ha	1	793325.7975
Shorebirds	Monitoring site 1000 Shorebird Survey	A	Y	11	2004	2014	35.961249	136.046062	70	13830	143	38674		0	1921486.656
Birds	Monitoring site 1000 forest and grassland research - Bird survey data -1st phase	A	Y	5	2004	2008	35.934682	135.739751	240	1122	316	18417	Core sites - 0.05 km2 (500m X 100m) Quasi-core and General - 0.1 km2 (1km X 100m)	0	1990044.637
Birds	Monitoring site 1000 forest and grassland research - Bird survey data -2nd phase	A	Y	6	2008	2013	33.557627	136.450872	251	8735	437	78253	0.1 km2 (1km X 100m)	0.1	3666501.309
Mammals	Small Mammals and Vegetation Changes After Fire in a Mixed Conifer-Hardwood Forest	A	Y	13	1955	1967	47.833333	-91.833333	7	39	1	214		0	6E-06
Tadpole	Community ecology of anura amphibia at Northwest region of Sao Paulo state	A	Y	7	1989	1995	-21.1833	-49.7	16	7	1	276		0	4.3E-06
Birds	Species composition and population fluctuations of alpine bird communities during 38 years in the Scandinavian mountain range	A	Y	38	1964	2001	67.077	17.435	47	99	2	1010		0	1.8904809
birds	Long-term dynamics of bird populations in pine forests of Ilmen Nature Reserve during the breeding period individuals / km2	A	N	13	1985	1997	54.504083	60.293995	52	13	1	280	4 km survey route	0	6.89E-06
birds	Long-term dynamics of bird populations in pine-birch forests of Ilmen Nature Reserve during the breeding period individuals / km2	A	N	13	1985	1997	54.504083	60.293995	68	13	1	493	7 km survey route	0	6.89E-06
birds	Long-term dynamics of bird populations in birch forests of Ilmen Nature Reserve during the breeding period individuals / km2	A	N	13	1985	1997	54.504083	60.293995	61	14	1	384	3 km survey route	0	6.89E-06
birds	Composition and abundance of bird species in the village Matabay in June 1980-1985 (absolute indicators (area 025 km2))	A	N	6	1980	1985	48.66874	85.65439	33	6	1	145		0	6.06E-06
birds	Composition and abundance of bird species in the village Verhnjaja Elovka in June 1980-1985 (absolute indicators (area 025 km2))	A	N	4	1980	1983	48.83331	85.77318	35	4	1	87		0	6.08E-06
birds of prey	The dynamics of species composition and abundance of migratory birds of prey in the Irkut River mouth (absolute figures)	A	N	5	1983	1987	52.297299	104.275532	20	5	1	59	6 km survey route	0	6.54E-06
waterfowl	A number of waterfowl after periods of breeding and molting in the lower reaches of Ob River (thous. individuals / 22 thous. km2)	A	N	3	1976	1978	66.380246	71.778749	11	3	1	33		0	9.98E-06
hunting mammals species	The density of population (ind/1000ha.) of hunting species of mammals in the Republic of Mordovia (Chamzinsky district)	A	N	5	2007	2011	54.407222	45.78	9	5	1	45	5-20 km survey routes	0	6.87E-06
small mammals	Long-term population dynamics of small mammals in the Natural Boundary Morozova Gora (individuals / 100 trap-nights)	A	N	9	2006	2014	52.601389	38.928288	10	9	1	48		0	3.23E-05
small mammals	Number of small mammals in Verkhnyaya Angara basin (accounting period since 20.07 to 20.08 individuals /100 trap-nights	A	N	4	1979	1982	56.1	111.6	16	4	1	59		0	7.17E-06
small mammals	Indicators of abundance (individuals / 100 trap-nights) of different species of small mammals in different years with using trap grooves and a coefficient characterizing the adverse conditions winter	A	N	10	2000	2009	49.05	107.18	9	10	1	54		0	6.1E-06
birds	Birds from the Bavarian Forest	A	Y	3	2010	2014	49.573557	13.309696	52	126	42	674		0	668.137
breeding birds	Structure and dynamics of a passerine bird community in a spruce-dominated boreal forest	A	N	12	1960	1972	63.41667	10.5	34	12	1	327		0	10
bats	Assemblage-level responses of phyllostomid bats to tropical forest fragmentation	A	Y	3	2003	2005	9.178193	-79.872578	43	452	17	1585		0	97.724909
bats	A large-scale fragmentation experiment for Neotropical bats	A	Y	5	1997	2013	-2.386381	-59.918769	45	225	12	1380		0	96.634398

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data_source	methods	summary_methods
Ecology	This study was conducted in the Hubbard Brook Experimental Forest. a 3076-ha sector of the White Mountain National Forest. West Thornton. Grafton County. New Hampshire. USA. Our study took place on the 10-ha forest	Plots
Ecology	Time and space and the variation of species - no further methods as yet Unit of abundance = Count, Unit of biomass = NA	Counts
Eco Data Wiki	Skokholm was established as a bird observatory by R.M. Lockley. He took a lease on the island in October1927. and kept records of breeding birds from 1928 to1940 (Lockley 1938. 1947). After the war theobservatory was r create ahorseshoe. This can be corrected by a transformation;the square root of the circle product has been used here.This development of step-across can be called stepalongfor convenience.English (1982) compared MDS	Counts within defined area
Ecology	Census dataBecause of their historical economic importance.ducks afford the opportunity to examine very largedata sets collected over large geographic distances.long time periods. and through changing. but measurable.l	Transects
Sevilleta LTER	Permanent capture-mark-release trapping webs were usedto estimate density (number of animals per unit area) ofeach rodent species at each site. The method makes useof concepts from distance sampling. i.e.. point coun	Stations
Luquillo LTER	Measurements of bird abundance are taken in the 9 ha grid (5/89 to 6/90) and Luquillolterdb23-Bird point counts Forest Dynamics Plot (10/90 to present) at El Verde and in Watershed 1 and Whendee Silver's cut plots at Bisle	Counts within defined area
Ecology	1. Site descriptionWithin the 20 ha study area there are 24 experimental plots. Each plot has anarea of 0.25 ha and is fenced to regulate rodent access to the plot. Access is regulated using gatescut into the fencing. Large ga	Plots
OBIS	The Coordinated Waterbird Counts (CWAC) project was launched in 1992. The objective of CWAC isto monitor South Africa's waterbird populations and the conditions of the wetlands which are important forwaterbirds. This	Counts within defined area
OBIS	Seabird Populations of Britain and Ireland summarises the results of Seabird 2000 ? a census ofall seabirds breeding in Britain and Ireland during 1998-2002. Seabird 2000 was launched on 12April 1999 by Elliot Morley MP a	Counts within defined area
OBIS	Replicate spring-time (May - June) vessel-based surveys in the Western Mediterranean during standardized trawl surveys of the Spanish continental shelf and slope over three years (1999. 2000. 2002). provide broad-scale in	Transects
OBIS	Standard seabird offshore sampling techniques (Tasker et al.. 1984; Webb. Durinck. 1992) assume that line transect of 300 m width is basically used for counting birds sitting on the water surface. whereas snap-shot method	Transects
https://data.aad.gov.au/	Seabird observations and related environmental data from ships either performing marine science work or taking personnel and cargo to various Antarctic stations. Incidental observations of whales and seals are also noted.	Seabird Observations
OBIS	The PIROP (Programme Intégré de recherches sur les oiseaux pélagiques) data set. Atlantic subset. consists of geo-referenced vessel-based surveys to monitor pelagic seabirds. Most surveys were carried out by R.G. B. Bro	Surveys
OBIS	Data were collected aboard research vessels using standardized marine bird and mammal survey techniques (Tasker et al. 1984. Buckland et al. 1993). Marine birds and mammals were observed in a 90-degree arc from the b	Stations
OBIS	The Bahamas Marine Mammal Research Organisation is a long-term study that has been documenting the occurrence. distribution. and abundance of marine mammals around the islands of The Bahamas since 1991. With m	Sightings
OBIS	POPA cetacean. seabird. and sea turtle sightings in the Azores area 1998-2009 (OBIS SEAMAP) - no methods as yet Unit of abundance = IndCountInt, Unit of biomass = NA	Sightings
US Breeding Birds Survey	The survey?s network of state coordinators works to identify and recruit observers who can identifyall breeding birds in their area by sound and sight. Prior to the start of each season. participants receivea packet containing	Counts within defined area
Avian Knowledge Network	The Northern Region Landbird Monitoring Program (NRLMP) has been in place for nearly a decade and is designed to allow us to track population trends of numerous landbird species. while at the same time allowing us to ir	Point counts
Konza Prairie Long-Term Ecological Research	Data set contains seasonal summaries (spring and autumn) of the number of individuals of each species of small mammal captured (relative abundance) on each grassland trapline. Each record contains year. season. trapline	Traps
JSTOR Oecologia	The study was carried out on data collected in Lake Manyara National Park (lat. 3°30' S. long. 35°45' E) in northern Tanzania (Fig. 1). Until substantial poaching began in 1986. Manyara had the highest mammalian biomass de	Census
Jornada LTER	Each rodent trapping web consists of a series of 12 equally spaced lines radiating from a central point. Each line consists of 12 trap stations. The first trap station is located 5 meters from the center. the next three at 5 meter	traps
The Rainbow Bay Long Term Study	Amphibians migrating to and from rainbow Bay were sampled using a terrestrial drif fence with pitfall traps. The pond was encircled by a drift fence of aluminium flashing. Pitfall traps *40-liter buckets) were buried inside and	pitfall traps
Konza LTER	Records of bird species giving perpendicular distance of sighting from transect line for January April June and October censuses on 16 separate transects. In addition to the watershed representing the LTER grassland treatm	Transects
Vermont Centre for Ecostudies	Surveys were conducted under acceptable weather conditions (no precipitation temperature >2 ?C wind speed <32 km/h) from 1 to 28 June. Surveys were conducted between 04:30 and 08:00 EDT and most were completed	surveys
Ornis Svecica	The same territory mapping method as used by Enemar et al. (1994) was applied also during the additional seventeen years. For a recent general description and discussion of the method we refer to Bibby et al. (2000). The r	grids
Contacted author directly	Anura was sampled following the same protocol in 7 Protected Areas (A-G) located in S?o Paulo state Brazil in a total of 42 plots (A_1-G_42) in 2 years (2014/2015 and 2015/2016). Anura individuals were sampled in 7 protec	surveys
Shortgrass Steppe LTER	In 1994 we implemented a sampling scheme to monitor long-term changes in relative abundance of small mammals in representative habitats of shortgrass steppe. We live-trapped nocturnal rodents twice each year (spring	censuses
Ecology	Beginning in 2008 a series of three herbivory treatments and a control were randomly assigned to contiguous 1-ha plots replicated three times at each of three sites along a rainfall gradient (36 total plots). Any field experimen	transects
Ornis Svecica	Appendix 2.Densities of the passerine species (excl. Corvidae) (territories/km2) as obtained by mapping ornest search in the study plots in the rich subalpine birch forests on the south-facing slopes of the mountainsGaisatj a	Ground data
Sevilleta LTER - http://sev.lternet.edu/content/small-mammal-exclosure-study-smes-0	Pitfall traps - for full details see SMES at LTER site Unit of abundance = IndCountInt, Unit of biomass = NA	Pitfall traps
Ministry of the Environment Biodiversity Center	The data is the data obtained by the Bird Survey that is carried out in Satochi investigation. Of the nationwide about 200 locations of the study site the data obtained in all 96 sites that were carried out bird surveys. This is in	Permanent quadrats
Ministry of the Environment Biodiversity Center	Data set Overview: The data is the data obtained by using the infrared sensor cameras that are carried out in the Satochi investigation medium -sized and large mammals Survey?.? Of the nationwide about 200 locations of th	Transects
Ministry of the Environment Biodiversity Center	In the present study carried out in the country about 140 places of study site shorebirds the investigation of the environmental situation of the peripheral census and research site of Saunderss Gull Black-faced Spoonbill spo	Pitfall traps
Ministry of the Environment Biodiversity Center	All birds of data that have been identified in the course that was set in the survey site.? The investigation of the study sites there is a core site quasi-core site three types of general site by site type as described below have di	Spot census
Ministry of the Environment Biodiversity Center	All birds of data that have been identified in the course that was set in the survey site.? The investigation of the study sites there is a core site quasi-core site three types of general site by site type as described below have di	Aggregated timed surveys
The Global Population Dynamics Database	We used the North American Census of Small Mammals snap-trapping technique (Calhoun 1948). On each area we established two parallel trap lines 60m apart and 144 m long. Trap stations were spaced about 7 m apart ar	Plots
Contacted author directly	Tadpole sampling was performed using a wire mesh dipnet (3 mm2 mesh size) sweeping all available microhabitats for tadpoles (e.g. water column and edge of ponds with and without vegetation) from the floor to the surface	plots
Ornis Svecica	Each plot was divided into two halves with one observer in each half. for most species. the territory mapping technique was used. there were 3 sites and full details can be found at the paper marked Luvre-135. 2006 Svenss	sites
http://ashipunov.info/shipunov/school/books/zakharov1998_biorazn_nasel_ptits_mazemn_mestoob_juzhn_urala.pdf	For the analysis of bird population biodiversity we used data of quantitative survey routes during the nesting period according to the Ravkin S. procedure (1967). Periods of registration works - May-June 1985-1997. Three su	survey routes
http://ashipunov.info/shipunov/school/books/zakharov1998_biorazn_nasel_ptits_mazemn_mestoob_juzhn_urala.pdf	For the analysis of bird population biodiversity we used data of quantitative survey routes during the nesting period according to the Ravkin S. procedure (1967). Periods of registration works - May-June 1985-1997. Three su	survey routes
http://ashipunov.info/shipunov/school/books/zakharov1998_biorazn_nasel_ptits_mazemn_mestoob_juzhn_urala.pdf	For the analysis of bird population biodiversity we used data of quantitative survey routes during the nesting period according to the Ravkin S. procedure (1967). Periods of registration works - May-June 1985-1997. Three su	survey routes
http://cyberleninka.ru/article/n/ptitsy-naselyonnyh-punktov-markakolskoy-kotloviny-yuzhnyy-altay	With a relatively well-studied synanthropic type of the bird population of the Altai and other regions of Siberia (Malkov, Ravkin 1985; mil-ing in 1973; Ravkin 1973, 1984; Ravkin, Lukyanova 1976 Tsybulin 1999, Shcherbakov, 1	point count
http://cyberleninka.ru/article/n/ptitsy-naselyonnyh-punktov-markakolskoy-kotloviny-yuzhnyy-altay	With a relatively well-studied synanthropic type of the bird population of the Altai and other regions of Siberia (Malkov, Ravkin 1985; mil-ing in 1973; Ravkin 1973, 1984; Ravkin, Lukyanova 1976 Tsybulin 1999, Shcherbakov, 1	point count
http://cyberleninka.ru/article/n/migratsii-hischnyh-ptits-v-ustie-reki-irkut	We conducted the study in 1983-1987 from 20 March to 15 November since the first appearance of the birds up to the full completion of migration to this part of the Priangarye region on a plot with total area of 6 km2. Perma	survey routes
http://www.twirpx.com/file/733205/	The area of ??work, material and technique Near the mouth of the Irkut has an open swampy floodplain, is highly productive and represents a "splinter" of tertiary relict steppes of the Mongolian type, greatly transformed hur	avian land count
http://www.unn.ru/pages/e-library/vestnik/19931778_2014_-_4-1_unicode/31.pdf	The material for the work are our long-term (2007-2011) field research activities in summer and winter seasons as well as data from the annual census of the animals by the Ministry of Forestry Hunting and Nature Manageme	survey routes
http://elibrary.ru/item.asp?id=24990048	Collection of material was carried out in May - June August - October on the environmental profile in Morozova mountain and in August - September - in other parts of the territory of the tract. The total amount of work is 520	trapping (trap-lines with Gero traps)
http://biosoil.isu.ru/ru/other/docs/bzj_2011_06.pdf	Obviously that for a productive analysis of this problem including methodological objectives an important requirement is a good choice of the model object. From the standpoint of the work carried out in this approach is ade	trapping (trap grooves)
http://www.sevin.ru/Rus-Mon_10/Vol%201%20Session%206%20A.pdf	The studies were conducted in Western Khentey at the biological station Khonin-Nuga during 10 years from 2000 to 2009. Catching animals was conducted annually in August by hunting 20-meter grooves in the main habita	trapping (trap grooves)
Data contributed by authors	8 different species groups sampled on 44 plots over 3-6 years. this dataset was gathered by 3 people which are specialised in different groups. Unit of abundance = IndCountInt, Unit of biomass = NA	Plots
Annales Zoologici Fennici	The density of the bird community was estimated by the territory mapping method mainly in accordance with the international recommendations (Anon 1970). The position of the individual singing males were plotted on a gri	Transects
Contributed directly by author	Field work was conducted between October 2003 and October 2005. At each island and mainland site, bats were sampled in a standardized manner with mist nets (6 <b7> 2.5 m, 70/2 denier, 16-mm mesh size, five shelves)	Mist-nets
Contributed directly by author	We surveyed bats in 39 sites, comprising continuous forest (CF), fragments, forest edges and intervening secondary regrowth. For each site, we assessed vegetation structure (local-scale variable) and, for five focal scales, q	Mist-nets

comments	abundance_type	biomass_type
Removed records prior to 1986 as per provider instructions (different sampling intensities). - subsequent combining of two as per provider instructions Where data showed t for trace (<0.5 birds per 10ha) substituted 0.2 as a	Density	
Dates added	Count	
Dates added	Count	
Dates added	Count	
	Count	Weight
Exclude 1996 (11 records) in analysis as collection was later in the year than otherwise	Count	
Dates added	Count	
Years (1983-1991 (inclusive)) deleted due to uneven sampling effort	Count	
Years (1994. 1995. 1996. 1997) deleted due to uneven sampling effort	Presence/Absence	
	Count	
	Count	
FM 31.3.16 deleted 43 records of null value years. FM 31.10.17 - Due to outliers the presentation central values are now set to Lat=-56.696 and Long=111.281 at the data providers request.	Count	
FM 31.3.16 deleted 11 null value years. Changed taxa to all from birds as some marine mammals in study.	Count	
Changed taxa from birds to all as there are some marine mammals included.	Count	
Years (1988. 1991) deleted due to uneven sampling effort FM 31.3.16 deleted 98 null value years	Count	
Years (1996) deleted due to uneven sampling effort	Count	
440 routes for 30 years - a very small subset. The process was: The years 1978-2007 were used. All routes that were marked as a "high quality run" (passed BBS screens for weather, correct dates, and observer quality) in ea	Count	
1. There are records that have only common name (Dusky/Hammonds Flycatcher should be Empidonax oberholseri; kept as common name because the sps name is identified in other records could be sue to issues on the k	Count	
1. Removed records with abundance=0 FM NULL biomass set to zero	Count	
1. Assuming area of the park =100km2 2. Removed abundance=0 FM NULL biomass set to zero	Count	
full species names were incuded from a tabel in the metadata. The weight of each species per sample was calculated. The sum total species abundance per species per sample was calculated. Data with no spatial informatic	Count	Weight
I removed rows containing NA values these were blank cells seperating species data in the original file. FM depth and biomass set to 0 where NULL changed Anaxyrus (Bufo) to Anaxyrus sp (30) and Lithobates (Rana) to Lit	Count	
Delete/ Exclude any data in which there was no corresponding species name (e.g. none. spsp) Use Watershed and Transum for sample description as no plot or elevation were given use central lats and longs for sample desc	Presence/Absence	
remove any samples containing unidentified bird species gray or red squirrels and NONE use bounding coordinates to calculate central lat and long and use those for entire sample as no lats and long provided in raw data cl	Presence/Absence	
FM set day to 1 and month to May for all (period 19th April to 18th June each year) also did zeroes for depth and biomass instead of NULL	Count	
1. Name of plots and its habitats: A: Parque Estadual Carlos Botelho: Dense Ombrophilous Forest B: Estacao Ecologica Jur?ia Itatins: Semideciduous Seasonal Forest C: Parque Estadual Jurupar?: Dense Ombrophilous Fore	Count	
rows with spp names of . or were removed. A row with NA for year was removed. FM 8 no species records removed (also no day month years) null for biomass and depth changed to zeroes	Count	
Rows with species codes ? X nothing and R were removed. A table from the metadata of the data was used to substitute species codes with scientific names and to get xy locations. FM zeroes for NULLS on biomass and de	Count	
FM set biomass and depth to zeroes for NULLS	Count	
Considered plot as plot and web aggregated totals and substituted code species for scientific names from LTER species list and central site lats/longs for Sevilleta LTER site	Count	
1. Abundance is aggregated per site and date (there was information for different sections and iteration numbers within site)2. Got scientific names from other Japanese studies with scientific names and the remaining ones fr	Count	
1. Got scientific names from internet sources2. Removed Dog and Cat and Human records3. For 15 sites (4 370 records) the information for lat/long is private null to zeros	Count	
1. Using data on files with The maximum number of individuals null to zeros	Count	
1. Using only dataset between 2004-2007 ? there was a change in methodology after that (dataset SIN04b)2. Using data for type of census =??????? = Line census only ? excluded 636 records3. There are three types of site	Count	
1. Using only dataset from 2008 onwards all these records are for Spot census ? there was a change in methodology from the one used before (2004-2007 - SIN04a)2. Removed blank abundances3. For 5 endangered specie	Count	
1. Removed abundance=0	Count	
Individuals not sampled were removed (abundance as -)	Count	
aggregated totals and set biomass to zero for NULL - depth is elevation	Count	
set NULL biomass and depth to zero (FM) month from 5-6 to 6	Density	
set NULL biomass and depth to zero (FM) month from 5-6 to 6	Density	
set NULL biomass and depth to zero (FM) month from 5-6 to 6	Count	
set NULL biomass and depth to zero (FM)	Count	
set NULL biomass and depth to zero (FM)	Count	
set NULL biomass and depth to zero (FM) days given as 20.3 - 15.11 changed day to 20 and month to 7	Density	
set NULL biomass and depth to zero (FM)	Density	
set NULL biomass and depth to zero (FM) Authors counted Capreolus capreolus and Capreolus pigagrus together because of the difficulties of identification and division of these species in the field conditions (abundance of	Density	
set NULL biomass and depth to zero (FM)	Density	
set NULL biomass and depth to zero (FM) changed 20.7 - 20.8 for day to day 1 and month 8	Density	
set NULL biomass and depth to zero (FM)	Density	
FM biomass and depth set to zeroes from NULLs	Count	
	Count	
Abundance calculated as bats/effort as per associated paper. Substituted codes for full scientific names as per paper. Added zeroes for NA value depth and biomass.	MeanCount	
Substituted codes for full scientific names as per paper. Added zeroes for NA value depth and biomass. Left abundance as number seen but effort is included in the sample description (with a preceding * for ease of characte	Count	

model_estimates_supp

effect	group	term	estimate	std.error	statistic	df	p.value	metric	formula
fixed	NA	(Intercept)	32800.1587165005	18676.86198582930	1.75619216661701	53.699575111946300	0.08475735287743510	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	6803.089916127270	11261.643265981900	0.6040938924674870	53.62304468074760	0.5483285975865940	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.021576693170436900	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	132608.13556548100	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.34461372044418400	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	79282.03171393890	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	11488.856122332600	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	117597.84978746000	75156.38809554780	1.564708639775980	47.865948886974500	0.1242392392315850	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-55323.82029150790	46475.85700380760	-1.1903776252469200	48.84461812700840	0.23965139551245800	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	-117512.01087814700	107432.80817419100	-1.093818665594360	49.71875261575480	0.27930574997026000	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-117281.06370333500	79030.94247968000	-1.4839891822559200	48.12077163826690	0.14433287769154100	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-38761.160850162100	81743.1035207203	-0.4741826427025360	48.334106763431700	0.6375049003297480	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	55318.56011437000	66197.72746307860	0.8356564829997170	50.264093018707800	0.40730304809957000	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	55294.976394202700	48828.99488565550	1.1324209421817700	49.00861352883460	0.2629676835569280	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	85605.8260496513	50549.24526960420	1.6935134361170600	49.24837402209680	0.09667464592773330	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.1672092022549640	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	129766.01442397800	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.3449240270057650	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	79187.95558619660	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	11488.621173585100	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-55323.82029150790	46475.85700380760	NA	48.84461812700840	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-5.260177137846770	47139.514603331100	NA	51.70339067372320	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-28.843897305152500	14975.495227370800	NA	50.62484383071040	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	30282.00575814340	19880.163809391300	NA	51.539153330732900	NA	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	-55318.56011437000	66197.72746307860	-0.8356564829997170	50.264093018707800	0.8372417433387360	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-55294.976394202700	48828.99488565550	-1.1324209421817700	49.00861352883460	0.6714977779255600	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-85605.8260496513	50549.24526960420	-1.6935134361170600	49.24837402209680	0.3379797475434170	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	23.583720167305700	49461.08868942000	4.76813608276892E-04	51.60331074343690	0.9999999999605090	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-30287.265935281300	51160.08942648450	-0.5920096363162760	51.67895790669910	0.9340520860783350	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-30310.84965544860	24889.483128286000	-1.2178175617074700	51.20547504660250	0.6185454223654060	CWM_bodymass_value	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	41.089834202718000	93465.44882571980	4.39625922936892E-04	48.4883977549794	0.9996510330225020	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	27.175379997414400	57038.030870589000	4.76443165772524E-04	49.63760773074990	0.999621763036372	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	94113.17993293730	103409.11165391800	0.9101052936989570	48.62808851015410	0.36725618406704800	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	20367.703227692900	95800.3985131349	0.21260562110188200	48.67180949156340	0.8325225199237730	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	42891.44081074080	63385.05537571910	0.6766806553453180	49.808653714782900	0.5017391522086080	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-696.0004542117320	58412.61912632220	-0.011915241340344200	49.70050357577840	0.9905409393227170	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.0031896393125566300	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	132087.3262739690	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.3136873000628900	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	79081.49540450860	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	11488.889459601800	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	27.175379997414400	57038.030870589000	NA	49.63760773074990	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	42918.61619073820	27646.48765012860	NA	50.467941454535900	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-668.8250742143180	12597.504022722900	NA	51.01113771254140	NA	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-42891.44081074080	63385.05537571910	-0.6766806553453180	49.808653714782900	0.778074333276467	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	696.0004542117320	58412.61912632220	0.011915241340344200	49.70050357577840	0.9999217294068610	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	43587.441264952600	30381.33287055110	1.4346783747332600	50.573694521955200	0.3310455942117910	CWM_bodymass_value	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	873.1078697272450	89399.86699627640	0.009766321797364760	44.048436492620300	0.9922518258466300	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1380.5464572644400	41006.77237120400	-0.03366630381848580	35.95064213895670	0.9733294789731860	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-808.195347381894	154856.97056009400	-0.005218979452192420	44.06103749244780	0.9958594343047750	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	8998.203537929670	91610.15958385330	0.0982227689462037	44.18092321831950	0.9221996855612250	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	209060.16225261800	128983.67415750300	1.6208265396234000	47.460694087961700	0.11168083418245900	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	133667.27219889600	103879.93388660000	1.2867477596280800	45.08434918104640	0.20475020601692900	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	1389.033667023910	70492.37138493570	0.01970473740256030	34.91028064318700	0.9843911052024020	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-2320.605414660340	42050.78320422190	-0.055185783422634300	36.1061931830836	0.9562947002316720	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	288992.2540002590	59368.50792810630	4.86777020487395	39.146794544985300	1.88454640491113E-05	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-11562.653201829000	48322.104238001900	-0.23928289928930400	37.92418231222130	0.8121747177051580	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.02859328223325580	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	126415.1817716950	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.26422404597390900	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	57310.00902421240	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	11489.634602292200	NA	NA	NA	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-1380.5464572644400	41006.77237120400	NA	35.95064213895670	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	8.487209759471630	57337.762802257700	NA	34.39551433171210	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-3701.1518719247800	9311.98087330135	NA	39.32849754347120	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	287611.70754299400	42930.92537211230	NA	42.44385215663450	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-12943.19965909350	25563.066672146000	NA	43.71533007253190	NA	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-1389.033667023910	70492.37138493570	-0.01970473740256030	34.91028064318700	0.9999999638944370	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	2320.605414660340	42050.78320422190	0.055185783422634300	36.1061931830836	0.9999977857712780	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	-288992.2540002590	59368.50792810630	-4.86777020487395	39.146794544985300	1.75381367075067E-04	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	11562.653201829000	48322.104238001900	0.23928289928930400	37.92418231222130	0.9992407868294120	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	3709.639081684250	58089.00094641580	0.06386129940685690	34.510501418545800	0.9999960218545770	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-287603.2203332350	71628.78888040640	-4.015190328199260	37.00313213037960	0.002442199628846290(	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	12951.686868853000	62778.09666478070	0.2063090083474770	35.73590729892270	0.9995760263639200	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-291312.8594149190	43929.231055080000	-6.631412670293740	42.29624758006020	4.638611094121E-07	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	9242.047787168710	27206.311133068200	0.3397023485457150	43.17579534717040	0.9970225477355140	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	300554.9072020880	49965.33529348580	6.015268494380990	42.78455159619110	3.42394516128497E-06	CWM_bodymass_value	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	42.16290887182950	2.930518428002170	14.387525588970000	49.468318864633300	2.62672740990767E-19	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1.8606166676577700	1.3329814427853100	-1.3958308855147700	39.57221221957770	0.17054821190302700	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	9.3196799282001	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.07788090669811650	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	sd__year_scaled	3.2571911192655000	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	18.358365023547900	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.43475670607873800	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	7.223406585985540	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.302543694860940	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	38.20791455765190	9.727825897323580	3.9276930900011300	38.122736704914300	3.48481277393294E-04	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.1027636648387410	5.025014730424520	-0.020450420615992700	23.821674531111000	0.9838543945812480	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	12.842327149810200	10.267070434370300	1.2508268285390300	39.018161970640700	0.21844645208818200	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-11.590554335758600	10.782437078335900	-1.0749475514256800	41.42116985437930	0.2886201749262650	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-2.2847260264034100	5.3011044706532	-0.43099056791874400	24.837201189326200	0.6701927363964400	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.3439202240955420	5.600662073195660	-0.06140706573630250	26.773300441634100	0.95149114725698	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	9.317163012023480	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.07780131316332760	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.258056681077190	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	15.650698635212300	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4744102872957470	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	7.368178265149200	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.302252470582440	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.1027636648387410	5.025014730424520	NA	23.821674531111000	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-2.387489691242160	1.6884713701439800	NA	37.40874928198510	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.4466838889342820	2.4731847114901900	NA	47.01712724011450	NA	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	2.2847260264034100	5.3011044706532	0.43099056791874400	24.837201189326200	0.9030762004972280	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.3439202240955420	5.600662073195660	0.06140706573630250	26.773300441634100	0.997923372113374	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-1.940805802307870	2.9945914888252600	-0.648103692790907	43.685525834196600	0.7944136460593350	CWM_diet_inv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	48.70095503182180	6.395676661341560	7.614668096996360	38.380765253629500	3.4527626330295E-09	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	1.8787723300836900	3.253219714382970	0.5775116638379390	35.17265001755020	0.5672726804298820	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-8.596086788199040	7.184111099266850	-1.1965414606514500	40.804429678328400	0.2383915475897500	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-4.471398588541230	3.5665187855728800	-1.2537151371888800	36.16163473167100	0.21799049242232700	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	9.324426685589300	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.07800531598159190	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.258079609053900	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	18.222737510195700	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.5010877398281930	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	7.2568722558185300	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.301878790901810	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	1.8787723300836900	3.253219714382970	NA	35.17265001755020	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-2.592626258457540	1.4617173932721400	NA	41.376865330449700	NA	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	4.471398588541230	3.5665187855728800	1.2537151371888800	36.16163473167100	0.21799049242232700	CWM_diet_inv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	41.90225992445330	12.5532906423472	3.3379502728233200	30.889268445021800	0.002211445050765540	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-5.508967836402230	6.572927524617760	-0.8381300137220960	28.308439564075900	0.408978893899673	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	25.511574705919700	23.63024981780750	1.0796151078646000	43.06883543368390	0.28632267069392500	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	1.5541494746848800	12.941939656961600	0.12008628659065700	31.583267656062900	0.9051754664037440	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	22.44404992301070	22.773160974657900	0.9855482929219440	37.183022424927400	0.3307247742849280	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-20.727234390518200	15.778719646555700	-1.3136195366170100	37.382162207416300	0.1969796826822650	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	4.917926911768440	10.69954362664530	0.4596389419377870	28.71364472198580	0.6492367062166740	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	3.704462355321190	6.747831084522920	0.5489856383361290	28.675947231180100	0.5872650237922110	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	7.345595856311210	13.449393152168800	0.5461655981947940	71.81023720600330	0.5866450033118960	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	5.442880515299360	8.227363897828130	0.6615582564345040	31.40236008206920	0.5130797998657410	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	9.318481497316700	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.07854513294709420	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.2601047656048300	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	17.63314657606750	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4771771379461380	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	7.70500652543954	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.302119194815080	NA	NA	NA	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-5.508967836402230	6.572927524617760	NA	28.308439564075900	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.5910409246337880	8.442562263590840	NA	28.723688340962500	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-1.804505481081040	1.5263839953877800	NA	36.68880686345510	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	1.8366280199089900	11.73383142531570	NA	107.47600212350800	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.0660873211028683	4.948347245637460	NA	37.23450600974010	NA	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-4.917926911768440	10.69954362664530	-0.4596389419377870	28.71364472198580	0.9903187725563970	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-3.704462355321190	6.747831084522920	-0.5489856383361290	28.675947231180100	0.981191300326645	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	-7.345595856311210	13.449393152168800	-0.5461655981947940	71.81023720600330	0.9820748242060990	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-5.442880515299360	8.227363897828130	-0.6615582564345040	31.40236008206920	0.9631207821387590	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	1.2134645564472500	8.57943504410308	0.14143874861332500	28.93821548102560	0.9999040879615400	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-2.4276689445427800	14.455436952660200	-0.16794158159958100	61.83809050006470	0.9998165303347020	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-0.5249536035309200	9.785857041568500	-0.05364411122102170	30.624406149947300	0.999998004328202	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-3.6411335009900200	11.832694030486100	-0.30771804726877000	104.99236041022600	0.998023407293710	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-1.7384181599781700	5.178415642335380	-0.33570464019264600	37.21997490083740	0.9971384120813820	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	1.9027153410118600	12.734556936978000	0.14941354853790400	88.03022376383090	0.999885771019193	CWM_diet_inv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.9863174375358400	0.7229683253625260	4.130633850436500	40.52555593159650	1.76106925141719E-04	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.3655553309916700	0.3954038414512210	0.9245113291009010	34.21866519372260	0.3616942476611160	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.908576908591870	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.07945813212151790	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.3441168582748600	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	3.7716282671809200	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4549422787505750	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.8516936244000600	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.1399601925905000	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	7.80861518414934	2.5182178432151900	3.1008497557858300	19.534119802059400	0.005746226347963900	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.12519644735214700	1.341804807779510	0.09330451540066350	14.79800800734670	0.9269131836445800	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-5.534229068155110	2.653186801401120	-2.0858799181544800	20.524383826692300	0.04966772794457370	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-4.239002783621780	2.88779465668609	-1.4679031190141100	24.342550624028600	0.1549340385975120	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.5064118220052180	1.4282724614715900	0.35456247716450800	15.975019810673000	0.7275545433973820	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.5715498855379000	1.5637033184663500	-0.3655104384497090	19.122021419245800	0.7187423895918790	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.907906984133400	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.07881486810770760	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.3442300034090700	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	3.548571036169320	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4770805343547650	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.8837196351816800	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.140047592800970	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

group_slope	taxa	All	0.12519644735214700	1.341804807779510	NA	14.79800800734670	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.6316082693573650	0.4894099324880160(	NA	31.563451172801700	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.44635343818575200	0.8029495164719100	NA	49.586248155304000	NA	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.5064118220052180	1.4282724614715900	-0.35456247716450800	15.975019810673000	0.9333353088351990	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.5715498855379000	1.5637033184663500	0.3655104384497090	19.122021419245800	0.9292741081736690	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	1.0779617075431200	0.9403456853840500	1.1463462046969100	43.53213400560240	0.49126454217080700	CWM_diet_scav	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	5.624196060013230	2.7491076319305000	2.0458260690447300	22.54961751819710	0.05261026141501360	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	1.1559767301935300	1.7377293502151600	0.6652225388553180	20.74717779696230	0.5132359783803720	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-5.60847302503874	5.548583944562300	-1.0107935792401800	41.60262810558700	0.3179581968518170	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-2.7692645718053500	2.8535551129223000	-0.9704612184515940	23.376805808744400	0.3417514235246240	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-1.1499865756855000	2.9733064424069600	-0.3867702835078650	28.469801466832600	0.7018021970851330	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.8212732869024400	1.7903178597231400	-0.45873043294638400	21.311484637178300	0.6510717811425850	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.9080456256859900	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.07888266623220200	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.3450164208080600	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	3.8105313239707400	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.5152117768327060	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.9753473915308200	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.139918628426070	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	1.1559767301935300	1.7377293502151600	NA	20.74717779696230	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.005990154508032310	2.412643344106110	NA	33.48987339708340	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.33470344329109300	0.4307374423525710	NA	34.14475532750070	NA	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	1.1499865756855000	2.9733064424069600	0.3867702835078650	28.469801466832600	0.9210799357679000	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.8212732869024400	1.7903178597231400	0.45873043294638400	21.311484637178300	0.8910666740602540	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.3287132887830610	2.4507922494785100	-0.13412531757965400	33.5202354401285	0.9901341358727650	CWM_diet_scav	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	14.446708785144600	4.0608155726631900	3.5575880082803300	35.19103774329760	0.001092970444912190	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.3700622068147940	2.178515862964520	-0.16986895211826200	25.89539551329280	0.8664333299035740	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	5.4052378023237800	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.3700622068147940	2.178515862964520	-0.16986895211826200	25.89539551329280	0.8664333299035740	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	5.4052378023237800	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.2375647213549600	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.4982207007529600	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	22.679908069169500	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.2222731985579210	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	11.380875685021000	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.0116142829883000	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	48.75320325217720	12.2427880953342	3.982197753692830	30.17655670374660	3.97834996302159E-04	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-2.3363476669798400	7.334187331606170	-0.31855576648710800	22.4575650378801	0.753007116732628	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-37.54664851298240	12.939663229013700	-2.9016712296494800	30.529968796701300	0.006828170253999570	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-38.003549888615100	16.910248306358700	-2.247367939258750	34.5077788265923	0.031116048894833900	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	2.2766939496984600	7.74317313949446	0.2940259643796500	22.660576412255400	0.7714144127084430	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	0.6859816713045840	10.470569238302700	0.06551522230474100	26.712159469995900	0.9482516568893100	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	5.4030133920761000	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.2374420339336600	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.5002103571196100	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	20.713750299035800	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.23060039795244200	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	11.78807881376690	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.01153291797284	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-2.3363476669798400	7.334187331606170	NA	22.4575650378801	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.05965371728137910	2.4832290375831300	NA	24.521818571470300	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-1.6503659956752500	7.472785047022190	NA	31.966198085208300	NA	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-2.2766939496984600	7.74317313949446	-0.2940259643796500	22.660576412255400	0.9535592422294280	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-0.6859816713045840	10.470569238302700	-0.06551522230474100	26.712159469995900	0.997636591601641	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	1.5907122783938800	7.874575722671950	0.2020060933332580	31.11376829398110	0.9777713089838790	CWM_diet_vfish	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	40.44699755752520	5.775419764426420	7.003300055635380	32.54752834740190	5.61544499516406E-08	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1.1171466213175900	4.3418228599925100	-0.25729898647212900	24.02353015796420	0.7991390329910130	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-35.962589139770000	6.8417703981968800	-5.2563279745908800	34.524556150904200	7.66045976057839E-06	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.7522495068132470	5.012221247692710	0.15008306091027700	24.440164748743600	0.8819308191391270	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	5.401225985728810	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.23820055714779900	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.5000309086565100	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	16.77004199211030	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.30084474204184500	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	11.445457286979900	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.011544836169780	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-1.1171466213175900	4.3418228599925100	NA	24.02353015796420	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.3648971145043470	2.5041837169562200	NA	25.72911717022070	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-1.1171466213175900	4.3418228599925100	NA	24.02353015796420	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.3648971145043470	2.5041837169562200	NA	25.72911717022070	NA	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.7522495068132470	5.012221247692710	-0.15008306091027700	24.440164748743600	0.8819308191391270	CWM_diet_vfish	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	45.570202362050500	15.740129562317700	2.8951605627914800	26.05585759115640	0.007570132378051350	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	23.05620797320450	8.271807191586710	2.787324152895520	22.789582005803300	0.010524907671043300	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-45.179197234045200	27.781609645225000	-1.6262267669508600	28.095778580179800	0.11506723535221900	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-32.79769567999830	16.335023198888300	-2.007814453684430	26.380238790528200	0.05500637829238570	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-9.713713255684100	27.552535166427300	-0.35255243109244800	27.18126920614870	0.7271431385782500	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-45.314911265869300	23.651995925435100	-1.9159022100599200	31.43280176066840	0.06451131459827190	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-23.024590661873900	14.15683870804680	-1.626393514590700	22.346860603101300	0.11788627018488700	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-25.411930513659600	8.581786057513550	-2.9611470553278200	22.952835751354800	0.007009067966171190(	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-24.832941258978100	14.672859958530200	-1.6924404191932100	25.808647059956200	0.1026020794285970	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-23.161269908391300	13.589209483727900	-1.7043868472353300	25.26753437630920	0.10057728891051100	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	5.391861936708530	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.23774478379195100	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.5022525616974700	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	22.228817246920000	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.5337335912348470	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	10.924073852986800	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.011660275588160	NA	NA	NA	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	23.05620797320450	8.271807191586710	NA	22.789582005803300	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.03161731133057440	11.488833186658500	NA	22.11202395081240	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-2.3557225404551600	2.2856635190133200	NA	25.240672610979500	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-1.7767332857736300	12.1189943950747	NA	27.418571823504800	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.10506193518687100	10.781642740225300	NA	26.91554347554750	NA	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	23.024590661873900	14.15683870804680	1.626393514590700	22.346860603101300	0.49688778556250000	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	25.411930513659600	8.581786057513550	2.9611470553278200	22.952835751354800	0.04951100829666230	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	24.832941258978100	14.672859958530200	1.6924404191932100	25.808647059956200	0.45582495478396100	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

contrast	climate	Global - Tropical	23.161269908391300	13.589209483727900	1.7043868472353300	25.26753437630920	0.44925135838513900	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	2.387339851785740	11.71398931675350	0.2038024610771450	22.221847407464300	0.9995835675453800	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	1.8083505971042100	16.69920097306210	0.10828964811078700	24.69553703515090	0.9999665347788400	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.13667924651744600	15.755542141377400	0.008674994823472110	24.19287307222930	0.9999999986108840	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-0.5789892546815270	12.332651088472400	-0.04694767171534750	27.340973040785500	0.9999988202498220	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-2.2506606052682900	11.021255731539900	-0.204210904827069	26.84123315258870	0.9995859753789410	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-1.671671350586760	16.22078436222200	-0.10305736845131000	27.2004992619466	0.9999727198092460	CWM_diet_vfish	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.9762671329843760	0.4648430983497120	2.1002078689569100	14.052168799449500	0.05424099266792380	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1.7752949480079200	1.72606333025598	-1.0285224863358000	14.133360319419900	0.32098558057968600	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6454388580038600	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.014825823663052200	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.8186378214943900	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	6.868293036646750	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.7991244170288430	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.1027192937318600	0.5483323464626890	2.0110418450517200	12.983376208072300	0.06555843867448730	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-2.3696641690709300	2.0327893512373700	-1.1657204754779500	13.224865619173600	0.26432174830893400	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	2.4876500356704100	1.3624551848351400	1.8258582471991000	30.751673448563100	0.07759640934918410	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	1.2007887284221700	4.081430090440400	0.29420783936362800	13.434130825637800	0.7730958266071460	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6365646424171100	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.01504101624417290	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.8687479892786600	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9999999872410040	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	7.008894502205100	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.7985669388163390	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-2.3696641690709300	2.0327893512373700	NA	13.224865619173600	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-1.1688754406487700	3.5391862110728700	NA	13.50425500171420	NA	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-1.2007887284221700	4.081430090440400	-0.29420783936362800	13.434130825637800	0.7730958266071460	CWM_diet_vunk	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	7.631576915746670	1.5667105378016000	4.871082903709360	3.0789175854476200	0.015560687130324700	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-28.41578919946570	1.5271615194337400	-18.606931118852400	241.55300571150800	1.51467977995465E-48	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-6.2599909221575600	1.655093856290230	-3.78225736163921	3.286787738666550	0.027603534718564800	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	28.15003120084620	1.5413346772156000	18.263412623466600	206.25488044077800	5.71846035765262E-45	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6294512033921300	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.01634353271032710	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.4797732100190900	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.8174124452992560	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.6050982179734610	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.7988257249979170	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-28.41578919946570	1.5271615194337400	NA	241.55300571150800	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.2657579986195200	0.20854323472154200	NA	7.775136304192920	NA	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-28.15003120084620	1.5413346772156000	-18.263412623466600	206.25488044077800	5.71846035765262E-45	CWM_diet_vunk	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	7.631471606482890	1.2246487434153600	6.2315595778099300	2.6808001127954700	0.011518523435078700	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-28.416557131520000	1.515013787607240	-18.75663268807610	335.7976821403310	3.32689523985944E-54	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-6.557626806142630	1.3074115082927400	-5.015732815986740	2.8991974787697400	0.01655371559484290	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	23.39765050985620	6.467612705138020	3.6176641330530800	487.90005403581200	3.28259048617975E-04	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	28.217169642215100	1.5281492608420800	18.464930334531700	286.51000276205600	1.07942029147081E-50	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	13.170828849157500	3.740167271278270	3.5214544949098400	2224.1406016118800	4.378275584225E-04	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6268943235912900	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.01640184313477020	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.1116344669020000	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6609229181702800	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.5787011841742480	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.7976816682932000	NA	NA	NA	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-28.416557131520000	1.515013787607240	NA	335.7976821403310	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.19938748930493900	0.19993345586009400	NA	9.402213277034300	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-15.245728282362500	3.4195883437193300	NA	3763.2550987671200	NA	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-28.217169642215100	1.5281492608420800	-18.464930334531700	286.51000276205600	5.72653036101656E-13	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-13.170828849157500	3.740167271278270	-3.5214544949098400	2224.1406016118800	0.001272342429166520(	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	15.046340793057500	3.4254281232093100	4.392543136757020	3468.895700902660	3.43231997388394E-05	CWM_diet_vunk	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	37.57815436578130	4.699600219241860	7.996032133099910	29.085680215344300	7.92221518200918E-09	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	2.1934985610124200	2.210059607816190	0.992506515776679	14.762152914131400	0.3369412931988730	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	13.358316185864000	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.09934675554675010	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.6531236780865200	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	23.470057393782200	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.06774530140275370	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	10.446441049715500	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.71377017494523	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	17.605062252943400	16.4782547921775	1.0683814806226200	19.35390762560230	0.298493789633557	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.4653802470350680	7.758537240449320	0.05998298810873740	10.176314527317700	0.9533308411528840	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	21.691335745878700	17.18309198806410	1.2623651064049600	19.93075736745190	0.2213891986942440	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	1.970635546749310	8.121435334224940	0.24264621531181300	10.543504307336700	0.8129347924241060	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	13.358691242701800	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.09926124256234980	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.6533894290376100	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	23.27035717064940	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.09516085060819520	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	10.943781634579100	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.713447280351130	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.4653802470350680	7.758537240449320	NA	10.176314527317700	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	2.43601579378438	2.4005857153116600	NA	15.915325832470100	NA	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-1.970635546749310	8.121435334224940	-0.24264621531181300	10.543504307336700	0.8129347924241060	CWM_forstrat_ground	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	18.463752411198900	8.278048769712400	2.230447406731140	21.106953414333100	0.036698685446907700	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	3.0106396107377600	5.148847577711920	0.58472105947942	14.513518455252300	0.5677146441006870	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	25.987533242268900	9.704859924537370	2.6777855058539400	23.562247834638900	0.013278305483815900	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.7908177912605850	5.775138058710630	-0.13693487207077200	14.82997519913420	0.8929240054860860	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	13.357971955833600	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.09912355469921070	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	sd__year_scaled	3.653423911670170	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	21.092778419303400	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.08544290017580740	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	11.206733195095400	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.713193054046650	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	3.0106396107377600	5.148847577711920	NA	14.513518455252300	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	2.2198218194771700	2.615642983791580	NA	16.116501341248500	NA	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.7908177912605850	5.775138058710630	0.13693487207077200	14.82997519913420	0.8929240054860860	CWM_forstrat_ground	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	7.431070972307330	15.467716097501800	0.48042457758243700	18.239684576224900	0.6366371285708920	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-6.724579755577370	9.932724506957170	-0.677012611279743	15.778478715527300	0.508202970884625	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	65.65115355100110	29.818190072815900	2.201714905924250	28.017287669925800	0.036086011758215600	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	32.541758003041	16.17977094634740	2.0112619709482000	18.799864552444000	0.05885836639072580	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-1.710856138867010	29.87309831020200	-0.05727079665796630	28.224294804368600	0.9547330203982790	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	6.84496025138883	15.882810884738900	0.4309665525241410	14.086285372323000	0.6730145783592080	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	9.762969687581630	10.268918856667300	0.9507300450857930	15.78958241840800	0.35606852700863300	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	6.648698251144290	16.251553357891700	0.4091115541220370	15.441845665570300	0.6880759020389230	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	13.358161363838800	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.09924098411958270	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.655033000639000	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	21.634729150778400	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.1931555573957420	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	11.783039359779600	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	7.712873090650350	NA	NA	NA	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-6.724579755577370	9.932724506957170	NA	15.778478715527300	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.12038049581146100	12.393734928151100	NA	13.12553187181310	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	3.038389932004260	2.606084870780170	NA	15.928696754726800	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.0758815044330774	12.86289121516990	NA	15.230656223252100	NA	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-6.84496025138883	15.882810884738900	-0.4309665525241410	14.086285372323000	0.97216604602729	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-9.762969687581630	10.268918856667300	-0.9507300450857930	15.78958241840800	0.7784386299253130	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-6.648698251144290	16.251553357891700	-0.4091115541220370	15.441845665570300	0.9760713003696860	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-2.918009436192800	12.664767815597000	-0.23040370567229700	13.229776570114500	0.9954745574335370	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.19626200024453900	17.86221251364360	0.01098755263910500	14.158515087039100	0.9999994988576380	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	3.1142714364373400	13.124238978584700	0.23729158250767900	15.25857069303940	0.9950944805541850	CWM_forstrat_ground	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	14.749509279337900	3.661118585136160	4.028689302558970	23.772954014840700	4.97348547488844E-04	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.05523683913424390	0.089115994171985	-0.6198308131719010	404.1762564483780	0.535718452906606	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.620032693395430	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.537675309033700	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	17.925539839253200	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9999788633438490	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.021405023353640600	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.242458012347950	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	34.673459026753700	11.973123481548000	2.8959409865094700	17.486458106373000	0.009837758742563140	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.36914913227927600	0.4433306651210410	-0.8326722271252970	5.818827463384460	0.43786230022229000	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-21.857509110193200	12.51278666077920	-1.7468138555182600	17.80722475323840	0.09789459878392550	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.5936614164638770	0.460675081803102	1.2886770739590700	5.62324211154951	0.24798363368608700	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.622978261487870	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.5377378195356900	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	16.921088305490300	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.37167041310255900	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.241982842074270	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.36914913227927600	0.4433306651210410	NA	5.818827463384460	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.22451228418460000	0.125217619996670	NA	3.814143024296220	NA	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.5936614164638770	0.460675081803102	-1.2886770739590700	5.62324211154951	0.24798363368608700	CWM_forstrat_wataroun	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	31.439265489774800	5.228825172889760	6.012682476511180	14.457791117046700	2.77903686967427E-05	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.015275658709214000	0.4012456089619610	-0.03807059409007060	4.043351206113400	0.9714370526903140	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-23.542156302526000	6.238196515006590	-3.773872183393560	15.809531472135000	0.001693092556365670	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.1962640980852150	0.5110717014992800	-0.3840245850229130	3.0406137489406100	0.7262444307201420	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.620754063569180	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.538753354554290	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	13.461013975938700	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4745078076260280	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.4849228258410470	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.242560624098230	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.015275658709214000	0.4012456089619610	NA	4.043351206113400	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.21153975679442900	0.316537905095289	NA	2.048039560244050	NA	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.1962640980852150	0.5110717014992800	0.3840245850229130	3.0406137489406100	0.7262444307201420	CWM_forstrat_wataroun	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	45.2761700388453	10.808702875328200	4.188862489891560	14.782108138896700	8.14294576118141E-04	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.06872890172718340	0.6041329146569000	0.1137645376700190	2.197974406551330	0.9189764765054050	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-42.9612478213268	20.57534124450510	-2.0879968555953000	21.582628840095300	0.04882219864194360	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-32.87274674827000	11.324792728968600	-2.9027239204283200	15.104552526361000	0.01087238718746230	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.051615416146370200	1.8826501087789700	-0.02741636159883500	43.58273967441380	0.9782528054062720	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.19021100698953300	0.6501905286881270	-0.29254656688604400	1.88807068301685	0.7988613789802190	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.620206405303850	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.5428016813652800	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	15.189262722993400	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.1652796189478800	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.3573951108269510	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.242681156151200	NA	NA	NA	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	0.06872890172718340	0.6041329146569000	NA	2.197974406551330	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.01711348558081330	1.783085767290410	NA	95.73562477939560	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.12148210526235000	0.240356287672915	NA	0.8818028472437140	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.051615416146370200	1.8826501087789700	0.02741636159883500	43.58273967441380	0.9995856803237650	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.19021100698953300	0.6501905286881270	0.29254656688604400	1.88807068301685	NA	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.13859559084316300	1.7992126051519100	0.07703124713905680	74.94374596000750	0.9967340471868050	CWM_forstrat_wataroun	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	25.615698502893800	7.0281118776652400	3.644748255117910	18.401637948367600	0.001798787609572050	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	1.8609628053620400	6.412396356199660	0.29021331527063400	6.477706989269600	0.7807215857440390	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.486739742100770	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1.0000000000000000	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.9799562639433700	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	29.05982992871930	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.10685404749305300	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	25.635168736760100	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	13.742849608226600	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	45.75782831918710	20.68504622917530	2.212121153234250	13.821381058584700	0.04431886122609250	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.37788754029266200	19.68473307112840	0.019196985751709800	5.780344678689220	0.9853293564227470	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-22.67992997532430	22.017861353140000	-1.0300696153711500	14.220758315364500	0.3201793340377380	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	1.9951863502029000	21.013106245535500	0.09494961510637190	5.966913458206480	0.9274631313150680	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.47585486933315	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.9802440410372800	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	29.22436244745720	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.10164295901164700	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	27.804912879146700	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	13.742351255111500	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.37788754029266200	19.68473307112840	NA	5.780344678689220	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	2.3730738904955600	7.3526810079446400	NA	7.605905620448060	NA	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-1.9951863502029000	21.013106245535500	-0.09494961510637190	5.966913458206480	0.9274631313150680	CWM_forstrat_watbelow	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	58.50563676352970	8.367935541477200	6.991645247927140	14.325851971808700	5.58427910489156E-06	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	8.29418474593482	12.816302501627300	0.64715894033257	8.024610542060880	0.5355988382602980	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-48.959160109815	10.240662826311800	-4.780858518651960	15.785237377535800	2.11666141744588E-04	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-10.340946846019000	14.807856054930800	-0.6983419346905160	7.6765860046150900	0.5055631876783140	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.480790521607370	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1.0000000000000000	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.9823786868630200	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	18.66466939702720	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.44783746250798300	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	26.237521850086400	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	13.740519142474900	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	8.29418474593482	12.816302501627300	NA	8.024610542060880	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-2.0467621000842000	7.417209120034990	NA	6.755906842291890	NA	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	10.340946846019000	14.807856054930800	0.6983419346905160	7.6765860046150900	0.5055631876783140	CWM_forstrat_watbelow	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	45.35498733267720	21.47702435181840	2.111791027924090	13.345128917386200	0.05409706897559330	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	49.52544885743790	20.81772675577180	2.379003694229330	10.398625745158700	0.03778401605391320	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-44.62519194468500	38.19138238242610	-1.1684623378602700	14.825501370665600	0.26106685668825800	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-20.336835172576500	22.91288693442090	-0.8875719253877810	13.716289257586000	0.3900696131752210	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-49.25254123455540	33.838713697970900	-1.455508671935980	8.77855243265095	0.18033778815595400	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-53.819734569793500	22.008095907032000	-2.4454516554790600	10.312290572032300	0.033849699369983000	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.450427746429520	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	3.9821518646453400	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	30.277805069903900	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.34161929502319500	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	26.248070681775300	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	13.741981222124600	NA	NA	NA	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	49.52544885743790	20.81772675577180	NA	10.398625745158700	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.2729076228825070	26.677346147157700	NA	7.968927361906110	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-4.294285712355590	7.139925642129940	NA	9.606814429798750	NA	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	49.25254123455540	33.838713697970900	1.455508671935980	8.77855243265095	0.3563906709323390	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	53.819734569793500	22.008095907032000	2.4454516554790600	10.312290572032300	0.07953511090250200	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	4.567193335238100	27.61628750629630	0.16538042393268200	8.065376415853390	0.9850626643065490	CWM_forstrat_watbelow	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.71907022001284	0.04186998940852950	17.173881106030500	10.54081799807640	4.79380575639102E-09	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.015334930981149600	0.01133698317069210	-1.3526465330558900	5.869420256674700	0.22594992374747500	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	0.03928723664450330	0.07347135062637060	0.5347286569467540	29.11128168926560	0.5968984590568360	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	0.060607183301028900	0.04486885139633180	1.3507629773198000	11.23474877211810	0.2033496202520260	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-0.029406602447202800	0.04897944512678200	-0.6003865983186350	14.609904759598400	0.5574477719514350	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	0.04231061551644460	0.03295936345438400	1.2837206511892400	84.03868233990240	0.202767982050153	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.01606619181215980	0.01295685843536090	1.2399758701008200	6.955700831892790	0.2551797150812380	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	0.01278165704801500	0.01745430138226610	0.7322927125452220	24.407065864959200	0.4709641418625350	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07757343510823000	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.1576421300476000	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03157213751692300	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.063794240176163	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.35821346171816800	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.014697083845787000	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.07814772823473680	NA	NA	NA	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.015334930981149600	0.01133698317069210	NA	5.869420256674700	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	0.026975684535295000	0.03094822211219290	NA	158.62160123342100	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	7.31260831010199E-04	0.00627319640226795	NA	13.438538865969900	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.002553273276348120	0.01327122636874300	NA	305.74819149781700	NA	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	-0.04231061551644460	0.03295936345438400	-1.2837206511892400	84.03868233990240	0.5757864258958610	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.01606619181215980	0.01295685843536090	-1.2399758701008200	6.955700831892790	0.6239199195391220	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-0.01278165704801500	0.01745430138226610	-0.7322927125452220	24.407065864959200	0.8831702738687980	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	0.02624442370428490	0.03157760986849790	0.8311086182132660	141.0398041933670	0.839606654080983	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	0.029528957811643200	0.0336736974690343	0.8769146256896040	175.8766373549710	0.8168153616392920	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.003284534107358320	0.01467918398385440	0.22375454323421300	114.87392376133600	0.9960272418739880	FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.8170841561690610	0.07859437280752370	10.396217018870900	61.30532561477220	3.72109840600013E-15	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.06152288170748750	0.03770855856554890	1.6315362890507200	196.91614270173000	0.10437543568321800	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	-0.06785393088948650	0.08346999089407680	-0.812914080409963	50.71917594074160	0.4200669263844490	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.07017378446056410	0.08028219540843600	-0.8740890069529700	59.93051771560740	0.3855590809030950	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	-0.06549291348773870	0.03866143388010640	-1.69401149711208	147.9000766374670	0.0923679458521864	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.06648566129125850	0.03816129973758120	-1.7422273808400600	183.39844458796300	0.08314504878580430	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07753391210213380	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.1575479580908840	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03152841625625860	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.07576446086611160	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.34638924812161600	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.013615923130469400	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.07815047744274280	NA	NA	NA	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	0.06152288170748750	0.03770855856554890	NA	196.91614270173000	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)

group_slope	realm	Marine	-0.003970031780251260	0.00853059673026487	NA	8.327056129749020	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.004962779583771080	0.00586083684895637	NA	21.41404346975710	NA	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	0.06549291348773870	0.03866143388010640	1.69401149711208	147.9000766374670	0.21088035189460100	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	0.06648566129125850	0.03816129973758120	1.7422273808400600	183.39844458796300	0.19237130802426200	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	9.92747803519822E-04	0.01034990285676590	0.09591856245016330	10.795918463331200	0.9949428986715100	FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.7750922295442860	0.05648398700259450	13.722335668491000	13.850462874422600	1.88073792049271E-09	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-7.31429185581854E-04	0.01647060240545470	-0.04440816234745750	5.5330620783037	0.9661378399768340	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-0.17267375806872500	0.12490268057869700	-1.382466391183080	37.099372324753100	0.17509490780537	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-0.023452091823624500	0.05873895592660180	-0.39925959618569700	14.511526429458600	0.6955160289398910	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-0.10565175853273600	0.11287954679923800	-0.9359690176701590	34.462953873805600	0.35580192833732800	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.01916792305840630	0.07346360079601470	-0.2609172821739250	22.07231952535780	0.7965752548607330	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.013661082600884700	0.04097192247958220	-0.3334254722290000	42.05667609013510	0.7404698178329940	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.0019984099762538700	0.01743609762085900	-0.11461337391591300	6.029633532174660	0.9124730010958920	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	0.03611906834930480	0.0638483225039574	0.5657011325092540	98.69455821547240	0.5728808675246740	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.01586897454001820	0.02966317422855380	-0.5349722324977170	35.68661549431290	0.595987050088691	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07749895601013110	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.15711978359700400	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.031618828402039300	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.07781402703817130	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.4505103129967660	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.016139063780553900	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.07814717901451620	NA	NA	NA	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-7.31429185581854E-04	0.01647060240545470	NA	5.5330620783037	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.014392511786466500	0.03751556594367630	NA	88.0216571829701	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.0027298391618357200	0.00572160437688202	NA	14.753970390205700	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	0.03538763916372300	0.0616873369742185	NA	111.28538994195700	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.016600403725600000	0.02467028904806280	NA	304.56246816619600	NA	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.013661082600884700	0.04097192247958220	0.3334254722290000	42.05667609013510	0.997227781095569	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.0019984099762538700	0.01743609762085900	0.11461337391591300	6.029633532174660	0.9999484638990660	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	-0.03611906834930480	0.0638483225039574	-0.5657011325092540	98.69455821547240	0.9796906309738250	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.01586897454001820	0.02966317422855380	0.5349722324977170	35.68661549431290	0.9830680632398900	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.011662672624630800	0.03794936685532290	-0.30732192895584400	83.43389337780210	0.9980236094921210	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-0.04978015095018950	0.07219934370231570	-0.6894820423221230	143.14319204790800	0.9584849800543470	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.0022078919391334700	0.04490034353754200	0.04917316361482640	121.62265263350200	0.9999986551454410	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-0.03811747832555870	0.06195211295522000	-0.615273257154451	111.46497857863700	0.97239514460088200	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.013870564563764300	0.02532508476512020	0.5477006174868950	224.56174495809400	0.9821324326666210	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	0.05198804288932300	0.06643756997878350	0.7825096990441570	133.99930726253300	0.935282856234666	FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.5896653162976310	0.02002754550541850	29.442715091477200	47.46524523932960	3.82398451940761E-32	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.0010640510743823700	0.00626939009716247	0.16972162489361700	19.327145455374800	0.8669929752607770	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07129565445555940	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.4114153946311460	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.029755946635483000	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.12543523010690700	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.5162533003162350	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.02124747195418060	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.10201409274875700	NA	NA	NA	NA	FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.6304796280203490	0.06456317612409720	9.76531307580811	30.171206181023500	7.47486152964744E-11	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.029897467089487100	0.010328438291613	2.894674513741800	4.08754197234023	0.04321493968435300	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	-0.06863032980455600	0.1004020405499590	-0.683555129244672	46.5596412296336	0.4976439840502540	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	0.028460302583245100	0.06845357419999000	0.4157606511545640	31.343973726663500	0.6804179642547330	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-0.1538092988606190	0.0722403962144112	-2.129131440587750	34.65304954619710	0.040427278510779700	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	-0.05679295943607150	0.03605307685384230	-1.5752597112947600	111.86977002616400	0.11802035824887300	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.02494343516403920	0.01195981345444940	-2.0856040321230500	4.518335566591720	0.09736293598310170	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.04716050094049200	0.01807615350443130	-2.60898984559579	27.941072336990400	0.014422223421487400	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07135371874283050	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.4135538999219240	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.029717458097498700	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.10364726591868400	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.4085882365578030	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.012316769300219600	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.10201119342653800	NA	NA	NA	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.029897467089487100	0.010328438291613	NA	4.08754197234023	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.02689549234658440	0.03454197031272830	NA	234.02750546731200	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.0049540319254479000	0.00602996685907734	NA	6.1035957922822400	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.017263033851005000	0.01483477967386460	NA	373.736694712153	NA	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	0.05679295943607150	0.03605307685384230	1.5752597112947600	111.86977002616400	0.39686650884119000	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.02494343516403920	0.01195981345444940	2.0856040321230500	4.518335566591720	0.28381687065986200	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.04716050094049200	0.01807615350443130	2.60898984559579	27.941072336990400	0.06508067687819210	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	-0.03184952427203230	0.03506434390384300	-0.9083165611018780	187.06005856582800	0.8004354230911260	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-0.009632458495579410	0.0375927971965044	-0.2562314915069710	250.6477808966220	0.9940883529491610	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.022217065776452900	0.01601346896502060	1.3873986845063500	107.26722000289900	0.5099733278409330	FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.4860270323569700	0.10460360360220400	4.646369872736680	52.97331172785340	2.27578967514331E-05	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.03162040074291130	0.04138605554730620	-0.7640351399704600	117.62519711171500	0.44637621926193300	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	0.10948449641607400	0.11354853667614400	0.9642087834944010	48.8292412734335	0.33969239470712600	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	0.10874441733235200	0.10709663779695900	1.0153859128473900	52.761242485023200	0.3145557104254830	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	0.05272153311323970	0.04261396832592010	1.2371890059619600	92.94721453903670	0.2191335078998450	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.026401029132821200	0.0419276697238175	0.6296803353663080	111.00247854885400	0.5301976985521360	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07136926054557460	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.41215454461239600	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.029722401089893500	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.12564289452870500	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.6848776285397090	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.01844842334271010	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.1020152084281000	NA	NA	NA	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.03162040074291130	0.04138605554730620	NA	117.62519711171500	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	0.021101132370328400	0.01015601805422800	NA	8.430804243837000	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.0052193716100900900	0.00671743215111324	NA	16.19436206813250	NA	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-0.05272153311323970	0.04261396832592010	-1.2371890059619600	92.94721453903670	0.4344490485727120	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-0.026401029132821200	0.0419276697238175	-0.6296803353663080	111.00247854885400	0.8041359040183490	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.026320503980418500	0.01217655934254890	2.1615715277176800	10.106505299992500	0.1263058609199080	FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.5989955855128460	0.09240845555558600	6.482043032875220	29.366915638511700	4.03800276870014E-07	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.04142393918803440	0.01184395004037490	3.4974766903629400	4.271976664302790	0.02241849466460660	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

fixed	NA	climatePolar/Temperate	0.009426218462033670	0.17576625112931200	0.053629285494055000	42.734331207140900	0.9574804524450380	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	0.00505429354566679	0.09523118307448630	0.053073934214526300	30.01233866303550	0.9580247064133170	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	0.01128089009460960	0.16643551705005500	0.06777934358335890	56.48829081571700	0.9462006331697950	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.12965320301057200	0.11202793973654600	-1.1573291744494700	35.591628753486700	0.25848613665811400	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.03907268634939970	0.03761833026135960	-1.038660835766390	58.398447583802300	0.30324398061537200	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.04045779303348080	0.01257540064451160	-3.217217023708750	4.237937695508670	0.02980043125167670 0	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-0.05498255462053340 0	0.0827695555909792	-0.6642847630140690	284.24448579372900	0.5070465741503050	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.02124652744544560	0.03055192254191080	-0.6954235831247560	116.11711609997200	0.4881792926373970	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07117324947683120	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.4094025363770160	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.02981084039125590	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.12920394623812800	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.856601051221298	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.011629433709536000	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.1020324638193340	NA	NA	NA	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	0.04142393918803440	0.01184395004037490	NA	4.271976664302790	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.002351252838634760	0.03570517636273240	NA	102.97913270915100	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	9.66146154553663E-04	0.00422629256099091	NA	3.3251725180532700	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-0.013558615432499000	0.08191776474104560	NA	304.95070084292600	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	0.02017741174258890	0.02816275587452370	NA	856.0323081929230	NA	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.03907268634939970	0.03761833026135960	1.038660835766390	58.398447583802300	0.8363437342512510	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.04045779303348080	0.01257540064451160	3.217217023708750	4.237937695508670	0.12676823471691800	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	0.05498255462053340 0	0.0827695555909792	0.6642847630140690	284.24448579372900	0.9638160840891840	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.02124652744544560	0.03055192254191080	0.6954235831247560	116.11711609997200	0.9571173115191170	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.001385106684081 1000	0.0359544318256444	0.0385239486135664	95.90824211439270	0.9999994909523290	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	0.015909868271133700	0.08936095231846580	0.17804049597002900	341.25828742695600	0.9997744168866920	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-0.017826158903954100	0.04547527281437510	-0.39199674462027900	197.12352982720000	0.9949751816090930	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	0.014524761587052600	0.0820267135083467	0.1770735528197730	303.91181501575500	0.9997790885659900	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-0.019211265588035200	0.02847810329462100	-0.6745977914780520	583.727661359916	0.9618421608145980	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-0.033736027175087800	0.08662367458505390	-0.3894550460562970	346.43373012220800	0.9951179558200880	FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	4.203030424170810	1.19938761303137	3.5043136835038100	48.95426790701170	9.89085717059236E-04	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.4823454665103200	1.2005312310449500	0.4017766918820470	44.41568595502830	0.6897751885601960	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.49598027729519300	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.3321639198520040	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.589727002422230	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6343453320455600	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	8.646622416486580	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5305931899996830	NA	NA	NA	NA	FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.3492040488153400	3.959173585082380	0.845935136927232	39.49537963667520	0.40268516801004500	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-3.162564825509530	5.110524736128790	-0.6188336792799020	41.569812255242400	0.5394025181642480	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	-2.358396955501310	5.655155914054240	-0.4170348247411180	40.94616268335580	0.6788313623048220	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-3.195823364221920	4.15655116097552	-0.7688641954480050	39.63242400108870	0.44653179803585400	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	8.0506724649399	4.3051588977408900	1.8700058827478900	39.848346827155200	0.06884221044901850	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	2.701544818658730	7.234807893459210	0.37340933697785100	41.72222131793180	0.7107344835983860	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	3.2121332522364000	5.362966296991890	0.5989471263390370	41.62865984304470	0.5524538061499960	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	5.050015320725430	5.546441909530130	0.9104963872511280	41.65637899330970	0.36779945014369600	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.4960075636393580	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.3321373378752310	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	6.8334949953889600	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9095477509113380	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	8.821777158277880	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5306008349513850	NA	NA	NA	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-3.162564825509530	5.110524736128790	NA	41.569812255242400	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.4610200068507970	5.12103331142022	NA	41.87471788652630	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.04956842672687150	1.6260210404809300	NA	42.21557306969840	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	1.8874504952159000	2.155354907482300	NA	42.147889716942300	NA	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	-2.701544818658730	7.234807893459210	-0.37340933697785100	41.72222131793180	0.9819952677078030	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-3.2121332522364000	5.362966296991890	-0.5989471263390370	41.62865984304470	0.9318069500336050	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-5.050015320725430	5.546441909530130	-0.9104963872511280	41.65637899330970	0.7993548029093540	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	-0.5105884335776680	5.372981165122600	-0.09502888952822480	41.905830239930100	0.9996874293950990	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-2.348470502066700 0	5.556126074333050	-0.4226812838023310	41.91565835275840	0.9742892981023300	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-1.8378820684890300	2.6999072579062300	-0.6807204444178960	42.17266177803930	0.9038448530416970	FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.5908110967023410	6.129398736663570	0.09638973120941690	45.01484534350720	0.9236389112373280	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.39752095372213400	6.243912469819900	-0.06366536296649910	42.27748350125060	0.9495367558196780	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	1.307488596338510	6.783331557457660	0.19275021208436200	45.17564803850990	0.8480185253980990	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	4.347872139643550	6.27845994212793	0.6925061527381410	45.134039103152800	0.49216735690052400	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	-1.1786663690703700	6.932429570202210	-0.1700221195375220	42.689177362562600	0.8657959541730060	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	1.354951641244120	6.39167448211016	0.21198695976094100	42.29915999635450	0.8331353901337220	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.4959903311419240	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.3321699170118050	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.651022510335480	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6653676399152830	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	8.792630974949330	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5305899839162520	NA	NA	NA	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.39752095372213400	6.243912469819900	NA	42.27748350125060	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-1.5761873227925000	3.0119988072775700	NA	44.52730856706230	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.9574306875219890	1.366403949967110	NA	42.75538952130550	NA	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	1.1786663690703700	6.932429570202210	0.1700221195375220	42.689177362562600	0.9841956334599210	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-1.354951641244120	6.39167448211016	-0.21198695976094100	42.29915999635450	0.9755450680525140	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-2.5336180103144900	3.307445626087790	-0.7660346674576730	44.21737956531450	0.725585500696958	FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.1709453998728530	6.299056227562010	0.02713825590647500	43.16638010552180	0.9784745398795000	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.03338025432714180	6.039393291256400	-0.0055270873608229	40.69078267147550	0.9956170538723470	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-0.16132906115132400	10.921438657575200	-0.014771777437895100	43.30791620843590	0.9882820978933170	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	4.393486715164870	6.451669666459250	0.6809844493442680	43.26430758942480	0.4995101029903370	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	4.000377054686850	9.007828731861110	0.4441000349548530	45.020856773572800	0.6590976330386320	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	3.376515315663320	7.312946992339960	0.4617174607172860	44.014127955220400	0.6465579502266020	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	0.035536278681995400	10.452744568447100	0.0033997079378813300	40.56892431037910	0.9973040936057140	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.4756897958219970	6.184088908327610	-0.0769215648212018	40.74124228436000	0.9390624644981780	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-2.601305974631520	8.565730706779650	-0.3036875736208500	41.16021829215200	0.7628958145693300	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

fixed	NA	year_scaled:climateTropical	8.729505007396250	6.99916807593731	1.2472203714335300	41.2550907622688	0.219350832100795	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.4959943805981890	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.33216934472220800	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.90716613586077	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6756076739778240	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	8.524580677210820	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.530582597363114	NA	NA	NA	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.03338025432714180	6.039393291256400	NA	40.69078267147550	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.002156024354853540	8.531447572758490	NA	40.50806028147770	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.509070050149139	1.3299189071623100	NA	41.8025676157958	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-2.6346862289586600	6.07432886947974	NA	41.63228181381390	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	8.696124753069110	3.537524901502070	NA	42.96834647848520	NA	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-0.035536278681995400	10.452744568447100	-0.003399707937881330(	40.56892431037910	0.9999999999682510	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.4756897958219970	6.184088908327610	0.0769215648212018	40.74124228436000	0.9999917038983430	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	2.601305974631520	8.565730706779650	0.3036875736208500	41.16021829215200	0.9980720674015440	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-8.729505007396250	6.99916807593731	-1.2472203714335300	41.2550907622688	0.7240928209755030	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.5112260745039930	8.63448214928692	0.05920749683247790	40.53808423188520	0.9999970837393260	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	2.636842253313510	10.4729684856454	0.25177601335549300	40.881119251091700	0.9990754527951830	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-8.693968728714250	9.23578259355827	-0.9413353595804730	40.85559365767150	0.8790007138482170	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	2.125616178809520	6.218211600952710	0.3418372218925210	41.64007362844450	0.9969448005451600	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-9.205194803218240	3.7792547847922400	-2.4357169144192200	42.82144566187510	0.12541144493993600	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-11.330810982027800	7.029335220583970	-1.6119320855331800	41.96471641220440	0.4983541183683640	FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.025936076089667500	0.44427416053485000	0.05837853828465680	14.616943916733300	0.9542377220920800	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.07752845940799310	0.1373561555590720	-0.5644338187279190	6.3322326884278200	0.591877603290159	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-1.513011972610860	0.9741416841438580	-1.5531744480687100	37.877816282722200	0.12869797705159300	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-0.2775380324966250	0.4615559241059300	-0.601309652853525	15.303465092151900	0.5564368242427980	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	0.019298994514629200	0.8930804177984810	0.021609470020855300	33.955795646437800	0.9828859677694930	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.1467867236276700	0.5750209748470010	-0.25527194667416500	22.742485018277200	0.8008074956674170	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.08503460690529590	0.316742257259389	-0.2684662527856480	40.2567013701457	0.7897114569750100	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.11255499609957600	0.14497210941823500	0.7763906902593360	6.898893809645540	0.46330012943903100	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-0.07344416389076870	0.49254178471002100	-0.14911255485462700	84.2168766925015	0.8818213139290970	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	0.01199754848821850	0.2365652810780820	0.05071559289487860	32.79404790808380	0.9598598031926200	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.594726679825758	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.0031799294110819800	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.2344827876378440	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.6129183146555020	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.21022875697449900	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.13082537521191100	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.6232105329920970	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.07752845940799310	0.1373561555590720	NA	6.3322326884278200	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.16256306631328900	0.2854101330783560	NA	89.39820827140630	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.03502653669158270	0.04637023872275020	NA	18.09314417472840	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-0.1509726232987620	0.47300179303609900	NA	85.17666337087310	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.06553091091977450	0.1926043061345820	NA	217.4181980461960	NA	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.08503460690529590	0.316742257259389	0.2684662527856480	40.2567013701457	0.9988092934600330	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-0.11255499609957600	0.14497210941823500	-0.7763906902593360	6.898893809645540	0.9296302016897910	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	0.07344416389076870	0.49254178471002100	0.14911255485462700	84.2168766925015	0.9998657216784100	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-0.01199754848821850	0.2365652810780820	-0.05071559289487860	32.79404790808380	0.9999984119051640	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.19758960300487200	0.2891524565052320	-0.6833405650188440	84.5823418474921	0.9595588013134700	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-0.011590443014527200	0.5524397164208690	-0.020980466592118000	131.27821931356900	0.9999999554425440	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-0.09703215539351440	0.3443186936624110	-0.2818091412970170	116.41202404293600	0.998601020622312	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	0.18599915999034400	0.4752692870937170	0.3913553116965200	86.02821630307100	0.994951195878625	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.1005574476113570	0.1981075914264490	0.5075900771257980	173.70859129220400	0.9865306369133470	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-0.08544171237898730	0.5107123602938830	-0.1672990885315970	106.19276207402600	0.9998216045671510	SES_FDiv	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.08883539855129680	0.158227028679867	0.5614426264114020	40.71474869495140	0.5775733350379780	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.013152466623395300	0.02480356901386530	-0.5302650846756370	1.9508511828230600	0.6500833898571890	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.4016722976786470	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.21138992877293300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.16942519770484300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.0540301171454100	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6212235381995340	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.046634781614338300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8983610727794370	NA	NA	NA	NA	SES_FEve	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.25238203213374200	0.6646672638700760	0.37971184358355300	32.38324283874600	0.706638204082821	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.008439231235960250	0.06529369197844930	-0.12925033001267100	2.056704032658780	0.9086957125847020	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	-0.4387916210420880	0.9653039948609430	-0.4545631463022160	36.387295526012600	0.6521238285286980	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-0.017835943523370800	0.699142836053507	-0.025511158240639900	32.93969819497180	0.9798011764440570	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-0.3812769598978530	0.7277563184471040	-0.5239074539557790	33.76279443310910	0.6037653867897690	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	0.15840272817372500	0.2633836361357630	0.6014144633194860	63.752194503196800	0.5496966234790550	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.013331752791757400	0.07413832306888090	-0.17982269142196600	2.1790589261101600	0.8726427997781650	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.10036651897201600	0.13103522512362200	-0.7659506737774300	19.177367275627100	0.4530308774675740	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.40170293832058500	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.211600046128292	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.16896266664934700	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.0965480892755100	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6798395867071370	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.06880948461079330	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8983732352179300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.008439231235960250	0.06529369197844930	NA	2.056704032658780	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	0.14996349693776400	0.25516205355013000	NA	121.59867381689200	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.021770984027717700	0.03511729965827590	NA	2.25013564964089	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.10880575020797600	0.11360882012864000	NA	158.74963995086700	NA	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	-0.15840272817372500	0.2633836361357630	-0.6014144633194860	63.752194503196800	0.9312462064995830	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.013331752791757400	0.07413832306888090	0.17982269142196600	2.1790589261101600	0.9973508823138790 0	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.10036651897201600	0.13103522512362200	0.7659506737774300	19.177367275627100	0.8687110364167340	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	0.17173448096548200	0.2575672694796610	0.666755839406229	102.78599935000400	0.9093536415249520	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	0.25876924714574000	0.2793110051232160	0.9264556082621460	126.86708302064700	0.7907366013931620	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.0870347661802584	0.11891252560731700	0.7319226106396200	67.63982534267060	0.883932562853146	SES_FEve	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.07213847212133650	0.8089459185876050	0.0891758898385792	29.379118591121200	0.9295472754052680	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.00703348958104236	0.08802882791689200	0.0798998435794542	2.2049304084410900	0.9429859225580050	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-0.22519996487479100	1.4663498926153400	-0.1535786008570790	35.26585178042650	0.8788174744667750	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

fixed	NA	climateTemperate	0.06553820932666	0.8309480587497630	0.07887160772150810	29.79176400559580	0.9376621435839320	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-0.3819395092992680	1.447160610709200	-0.26392337275687300	48.92716110529830	0.792947447904627	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.14750979594919600	0.961004344822619	-0.15349545165315800	32.53386446010230	0.8789557228336510	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.0029619334702187700	0.2484343050534330	-0.011922401254455200	23.172138903560900	0.9905895803720160	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.03225523327295740	0.09411501583695780	-0.3427214348965890	2.3311969079646800	0.7602950367504900	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	0.11031239816396300	0.6884772388667310	0.16022664503120400	194.28331944486200	0.872869007383674	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.048334256665733000	0.2437489127725290(	-0.19829527080122600	46.7217403170116	0.843674367225214	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.40157468876051400	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.21035340242119300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.16941539652822400	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.1350717119308900	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7067548518646780	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.07626410364524480	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8983648180440190	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	0.00703348958104236	0.0880288279168920(	NA	2.2049304084410900	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.004071556110823590	0.2323155814467910(	NA	47.11118714314670	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.025221743691915000	0.0332950696285356(	NA	3.172092144103550	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	0.11734588774500600	0.6828263570580270	NA	207.26609936856100	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.04130076708469070	0.2272981696656800	NA	183.64125205016000	NA	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.002961933470218770(	0.2484343050534330	0.011922401254455200	23.172138903560900	0.999999995027667	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.03225523327295740	0.09411501583695780	0.3427214348965890	2.3311969079646800	0.9949683481943080	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	-0.11031239816396300	0.6884772388667310	-0.16022664503120400	194.28331944486200	0.9998509721737120	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.048334256665733000	0.2437489127725290(	0.19829527080122600	46.7217403170116	0.9996418999149010	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.029293299802738600	0.2346893500875780(	0.12481733743694500	43.38846513619800	0.9999429296721720	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-0.11327433163418200	0.7212644198046210	-0.15704965963088300	218.68252268373700	0.9998625319130150	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.04537232319551430	0.3250153647388510(	0.13960054852167000	85.68575510761980	0.999912778474378	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-0.14256763143692100	0.6836376200551760	-0.20854269463025500	206.74119426313400	0.9995761841004850	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.016079023392775700	0.2297237897888180(	0.06999285275398300	153.77619122448900	0.9999945046733680	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	0.15864665482969600	0.7196640131523210	0.2204454466672330	220.9174646577410	0.9994724108563670	SES_FEve	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.6051033383964560	0.0235062766470188(	25.742202709640900	56.03518897085880	9.92901813869612E-33	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.0515387264367066	0.0075449190002039(	-6.830918454567050	19.25309733054450	1.49889012866025E-06	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.11052145954714300	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.0197441259443495	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03433314109792900	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.13980252392308700	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4794503028936750	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.02543975767406960(	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.09692478901615310	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.6824409337808060	0.1188595409689460(	5.741574704205730	79.21276481313840	1.65948328096219E-07	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.0989930476275525	0.0446652924170156(	-2.2163304496768600	93.51701033803650	0.02909403840452050	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	-0.2046149601154900	0.1271892323932090(	-1.6087443588221100	67.75735290362640	0.11232214228346600	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.04878261489088190	0.1214338143051040(	-0.40172183645911800	78.10109531044250	0.6889859268260910	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	0.07780887129277330	0.0465413177123716(	1.6718235562997500	65.44933363968740	0.09933392805867900	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.04200964876654610	0.0453874448248182(	0.9255786248529890	87.61548578237850	0.35720742766724700	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.11060653624080300	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.01920581298243340	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03430182510491380	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.122384274662254	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.1908094037795970	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.01992211542348640	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.0969288961723566	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.0989930476275525	0.0446652924170156(	NA	93.51701033803650	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.021184176334779200	0.0130807456861754(	NA	7.038873382225390	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.056983398861006400	0.0080642297231915(	NA	20.57283776881210	NA	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-0.07780887129277330	0.0465413177123716(	-1.6718235562997500	65.44933363968740	0.2236825841254930	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-0.04200964876654610	0.0453874448248182(	-0.9255786248529890	87.61548578237850	0.6256611015886610	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.03579922252622720	0.0153667728796518(	2.329651307180530	8.98721156175143	0.10238299919435200	Jaccard_base	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.3835485297080310	0.0956209880095952(	4.011133305478320	25.375998407763200	4.70815601336921E-04	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.02216341544794730	0.0292810462847799(	-0.7569202012930720	6.495303373152910	0.4756504878236540	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	0.11531362941800400	0.1985680227863080	0.5807260796573520	52.36387902003610	0.5639161804857270	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	0.2305417189226160	0.0989933368343423(	2.3288609748392400	26.371649146249500	0.027789827051181700	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	0.04847368214494390	0.1895001954064940(	0.2557975311896850	52.15286515803300	0.7991134112911270	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	0.2991313244704810	0.1216922909260460(	2.4580959253390000	36.88839269873160	0.018787556622512800	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.05357975899585740	0.0548578810595209(	-0.9767012134085760	18.836669358060600	0.34109477608438000	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.030206512251573000	0.0305341934531987(	-0.9892683852243250	6.89486566307336	0.355969334510736	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	0.09878423538642030	0.0984633126544126(	1.0032593127669200	118.44642837055700	0.31778093865932000	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.06508403750100920	0.0482162029960102(	-1.3498374707439100	26.28502992341370	0.1885790123944690	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.11055090738077600	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.01955441093873220	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03438693463795030	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.1322807004318490	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.3034942160645270	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.02737850627731990	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.09691437492681610	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.02216341544794730	0.0292810462847799(	NA	6.495303373152910	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.07574317444380480	0.0463897342394751(	NA	35.28894628171690	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.05236992769952040	0.0086577883033682(	NA	16.076057019286500	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	0.07662081993847300	0.0940087456960744(	NA	135.09203749446800	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.0872474529489565	0.0383069518471653(	NA	117.64413257866600	NA	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.05357975899585740	0.0548578810595209(	0.9767012134085760	18.836669358060600	0.8623031008696280	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.030206512251573000	0.0305341934531987(	0.9892683852243250	6.89486566307336	0.8523143266636700	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	-0.09878423538642030	0.0984633126544126(	-1.0032593127669200	118.44642837055700	0.8534080076055820	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.06508403750100920	0.0482162029960102(	1.3498374707439100	26.28502992341370	0.6635966403232640	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.023373246744284400	0.0471907272789376(	-0.49529320889946200	34.235863682928700	0.9872787683191200	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	-0.15236399438227800	0.1048315396727450(	-1.4534175006674100	148.25575892986100	0.5942574499726410	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.011504278505151700	0.0601616988010658(	0.19122263390853500	55.60957134045190	0.9996918530906460	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	-0.12899074763799300	0.0944065758602393	-1.3663322333494300	135.69440440828200	0.6501724889811870	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.034877525249436100	0.0392731442353039(	0.8880757048752830	103.79962348284800	0.9007189581282720	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	0.1638682728874300	0.1015138750475530(	1.6142450754703900	152.73659072916100	0.49063319089928600	Jaccard_base	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.42653529653949200	0.0785782784678750(	5.428157817352430	31.454704118568500	6.0193563938633E-06	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.004339868639653470	0.0146571268057075(	0.2960927265747290	5.503928322153480	0.7780099406351330	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	0.3191859553606120	0.1195369709385420(	2.670186075943960	44.85805725374680	0.010520749907075500	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

fixed	NA	taxaBirds	0.19827376812229400	0.0832297524413192	2.382246279803440	32.58112065064500	0.0232053923430304	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	0.3320253416629220	0.0877648801212869(	3.7831230579256600	35.89499855417220	5.66516000992932E-04	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	-0.07457082279720170	0.0436465102167022(	-1.7085174147248500	82.96273332304780	0.09127937218403850	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.026764336809843300	0.0166777047337927(	-1.6047973769203900	5.772100174608850	0.16160503031328800	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.05106776660368630	0.0234313715016719(	-2.179461266278950	25.85105119179280	0.038600769255331700	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.08159292969481900	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.030365596819245800	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.037371469998483800	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.12482202573517200	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.5029189267591520	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.017355071447093400	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.11799107561315200	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.004339868639653470	0.0146571268057075(	NA	5.503928322153480	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.07023095415754830	0.0411118776985205(	NA	170.4692873107480	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.022424468170189800	0.0079570389586190(	NA	6.625225971680620	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.04672789796403290	0.0182810777650218(	NA	236.7428244088560	NA	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	0.07457082279720170	0.0436465102167022(	1.7085174147248500	82.96273332304780	0.3258353592787630	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.026764336809843300	0.0166777047337927(	1.6047973769203900	5.772100174608850	0.4439709360041030	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.05106776660368630	0.0234313715016719(	2.179461266278950	25.85105119179280	0.1557251357090630(	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	-0.04780648598735840	0.0418748248579870(	-1.1416522015193600	136.48385432169600	0.6644546694264020	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-0.023503056193515400	0.0449931582815529(	-0.5223695577545530	180.76452903638500	0.9536135033699120	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.024303429793843000	0.0199377098293599(	1.2189679758531900	82.70921046559430	0.6166657820681740	Jaccard_next	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.7659896814276180	0.1076386678059040(	7.116305850318260	61.63450038353570	1.39126683033673E-09	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.05967360911028640	0.0483548044921179	-1.2340781797600600	175.88091245931500	0.21882020854967300	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	-0.2854407996974020	0.1165346367780810(	-2.4494073829823800	55.59893810211170	0.017486484726582100	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.07398261545115910	0.1101949111816140(	-0.6713796005445930	61.374759038377100	0.5044979055886940	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	0.06155121407618070	0.0497222072638925(	1.2379018845544700	129.27432003103700	0.21799594781874200	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.033492991934780300	0.0489552842416753(	0.6841547843831730	159.00854681905100	0.4948733162073910	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.08161779398227030	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.03046109840210270	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.037330071512150800	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.12247414097319800	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.3084750915109940	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.016190783391918000	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.11799177136441900	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.05967360911028640	0.0483548044921179	NA	175.88091245931500	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	0.0018776049658942200	0.0115806207831249(	NA	8.05682644104975	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.02618061717550620	0.0076441309324392(	NA	13.612488900700900	NA	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-0.06155121407618070	0.0497222072638925(	-1.2379018845544700	129.27432003103700	0.43312507611823900	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-0.033492991934780300	0.0489552842416753(	-0.6841547843831730	159.00854681905100	0.7730696787196370	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.028058222141400400	0.0138760050243151(	2.022067741560610	9.3286425128507	0.16061733430617100	Jaccard_next	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.3838263378148940	0.1029180187730910(	3.729437686331070	31.737096671406900	7.50711507639083E-04	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.017664918079489900	0.0220082262528578(	-0.8026506941783220	5.318945044008650	0.4565297136968640	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	0.19821747438900900	0.1962783743318190(	1.009879336242670	46.59885634448920	0.3177683685349580	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	0.2919041751166150	0.1061298468831300(	2.7504437600674100	32.56339194196650	0.009638707302542040	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	0.2310954738140380	0.2021496836201670(	1.143189886204620	59.191793387866600	0.257562414736122	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	0.31793469560774200	0.1268993371302500(	2.5054086396165500	40.60861234741740	0.016337247199246900	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.02445550409597060	0.0505056173913365(	-0.4842135461186450	33.78864437794620	0.6313582305274370	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.0012488785020178500	0.0232643724415225(	-0.05368201979903120	5.640719262415050	0.959038808440436	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-0.029468248595676800	0.1044465246582100(	-0.28213718639379000	138.5627950561420	0.7782592914038220	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.06189428448453140	0.0454972625609935(	-1.3603957908798600	51.008040338389500	0.17968644002554400	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.08160216450449360	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.03269287320561050	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03742672539505720	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.14295104299157500	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.20098558394865900	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.018430579591480000	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.11798528310436600	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.017664918079489900	0.0220082262528578(	NA	5.318945044008650	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.04212042217546040	0.0454582815918409(	NA	74.76340880967380	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.018913796581507700	0.0075411539104365	NA	10.093587570310800	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-0.04713316667516670	0.1021014911271180(	NA	136.74863179352900	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.07955920256402130	0.0398200813377748(	NA	207.49641562391500	NA	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.02445550409597060	0.0505056173913365(	0.4842135461186450	33.78864437794620	0.9883086158071850	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.0012488785020178500	0.0232643724415225(	0.05368201979903120	5.640719262415050	0.9999974572560400	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	0.029468248595676800	0.1044465246582100(	0.28213718639379000	138.5627950561420	0.9985981334382230	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.06189428448453140	0.0454972625609935(	1.3603957908798600	51.008040338389500	0.6552463635094540	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.023206625593952700	0.0460795439168400(	-0.5036209914714830	69.03008591196190	0.9867486317803190	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	0.005012744499706290	0.1117639022925740(	0.04485119432018390	179.24242798127400	0.9999990738451720	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.03743878038856080	0.0604325594611886(	0.6195134001002390	126.99692284654500	0.9717363074440240	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	0.028219370093659000	0.1023796048667990(	0.27563468456802300	137.69501248718400	0.9987206528584170	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.060645405982513500	0.0405278654760881(	1.4963878622794700	181.88137257686700	0.5661599118509200	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	0.03242603588885450	0.1095917577563570(	0.29588024275460300	157.00293121172200	0.9983133812288620	Jaccard_next	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	13.658494314721400	2.2894921564701600	5.965730992404630	43.38370649012000	3.97737682261915E-07	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.4893179810571790	0.2247420799385950(	2.1772423802025600	3.6221170005961200	0.10214467309440100	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	4.725345146360980	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.2280658352790700	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.406936645863330	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	14.362430337601000	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.5371573581161360	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.675370080028191	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.592040918339120(	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.1621858731074700	10.149964947987500	0.2130239743868450	34.101960290848700	0.8325766297419190	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.14282819957818200	0.8014092030682470	0.17822131194819600	3.335125316232080	0.8688348274915630	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	9.827336815819830	10.58533404925030	0.9283917512755140	34.52665016037810	0.35964970115947900	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	15.831502733339600	10.833112134840900	1.461399322400000	34.945050569717200	0.15284049293706600	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.7644679299626670	0.8929932304811330	0.8560736004132770	3.9039642364975900	0.44131766789667800	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.1415049621031410	1.022965346209680	-0.138328206940196	6.3414891929295400	0.8942698071838650	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	4.727311677531200	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22809961806732800	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.4029893751131800	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	14.347563948969800	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

ran_pars	study_id	cor__(Intercept).year_scaled	0.3448797616120870	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.0993488148510800	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.591417450315790	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.14282819957818200	0.8014092030682470	NA	3.335125316232080	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.9072961295408480	0.393929180085263	NA	8.801709882206230	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	0.0013232374750403500	0.6357683452197010	NA	38.60031053413760	NA	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.7644679299626670	0.8929932304811330	-0.8560736004132770	3.9039642364975900	0.6930926297024950	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.1415049621031410	1.022965346209680	0.138328206940196	6.3414891929295400	0.9895238206227470	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.9059728920658080	0.7479181691241660	1.2113262245343300	22.787715101471600	0.45876765485806100	CWM_diet_fruit	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.211745576659250	6.270518223662380	0.5121977900549650	35.27372746715260	0.6117048875934200	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.03867262358674370	0.474734596984229	0.08146156575150240	2.2019170817875000	0.9418834203642730	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	12.030419857601000	6.7119415967156700	1.7923904259667300	36.118770054853700	0.08145015498208630	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.6943198643977990	0.569232858139758	1.2197466370209600	3.041443507557310	0.3086349457323830	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	4.726056069522700	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22835815609269700	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.4052304034198300	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	13.998832458333200	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.1861822112000820	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.8037434645627830	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.591768183570030	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	0.03867262358674370	0.474734596984229	NA	2.2019170817875000	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.7329924879845420	0.3140909250713550	NA	8.431523521604940	NA	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.6943198643977990	0.569232858139758	-1.2197466370209600	3.041443507557310	0.3086349457323830	CWM_diet_fruit	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.5133617661268100	10.64758784674300	0.14213188826516500	26.24921129737970	0.8880611459924240	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.3448217475849900	3.192904340138260	0.10799626636169700	12.50146528551170	0.9157126491931050	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	7.032293242508740	11.085416897315100	0.6343733670685800	26.541266595009400	0.5312675539793780	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	36.79543174865690	11.481048465230300	3.204884280393880	27.089817597270900	0.00344822039251721	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	1.153356094937850	3.3599846304462000	0.3432623127161980	12.937979608001700	0.7369147422095010	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-1.1628096439731700	3.5344985519324800	-0.32898857557528300	13.72901557625220	0.747129099466485	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	3.9769528870055700	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22064892153525700	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.2944242932115300	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	15.050473105243400	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.3435979200528120	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.50214150715642	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.6555240381689600	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.3448217475849900	3.192904340138260	NA	12.50146528551170	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	1.4981778425228400	1.0463549070754900	NA	18.375823073643500	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.8179878963881760	1.5159293810527800	NA	22.02460786910370	NA	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-1.153356094937850	3.3599846304462000	-0.3432623127161980	12.937979608001700	0.9374233789308070	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	1.1628096439731700	3.5344985519324800	0.32898857557528300	13.72901557625220	0.9423306704913550	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	2.316165738911010	1.8419827577640400	1.2574307382348000	20.75259083467170	0.43414505343773500	CWM_diet_planto	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	4.267367938332350	8.983613513093720	0.4750168662212160	32.71009624293960	0.637931465465121	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	1.0828252918794600	2.473320321779320	0.43780228640197600	12.078983526119300	0.6692558682800430	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	15.483030720860500	9.610949602755070	1.6109782446910500	33.18913579168460	0.11665551875159700	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.16241245447439800	2.6724686347252800	-0.06077244550752000	12.415852397041100	0.9525077613848220	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	3.978438730114560	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22123882134888800	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.296416572742870	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	20.055740604677900	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.11101002825719800	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	5.142494846038520	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.6545620971347500	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	1.0828252918794600	2.473320321779320	NA	12.078983526119300	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.9204128374050610	1.0123118044672900	NA	14.74932529210050	NA	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.16241245447439800	2.6724686347252800	0.06077244550752000	12.415852397041100	0.9525077613848220	CWM_diet_planto	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.9402913749976800	19.582065700146200	0.09908512231082930	30.308033888702100	0.9217231569400230	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.18175491883631700	5.781472669115820	-0.03143747782588990	8.876288256953920	0.975616177217046	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	2.089022125979640	27.987258706466200	0.074641898582836	31.616097395265200	0.9409699243217980	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	14.409352536343900	19.863500501345200	0.7254185905131950	30.40571051331900	0.4737419195806380	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	45.082502344151100	22.971964452461800	1.962500962311900	31.94809475527570	0.05846291456669390	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	0.8758206044416900	8.292529642323950	0.105615613355377	9.39062420112588	0.9181091261217920	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	1.1458646381996700	5.88585085161378	0.19468122232242700	8.980012571150240	0.8499756700067160	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	0.24955976955910800	7.0759626532311900	0.035268666864027100	9.92098457775693	0.9725650303019850	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	3.9792004532597500	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22168036290839400	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.2974078141563000	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	19.576392146657900	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.08077822648125470	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	5.773915887523160	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.6538573254644800	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.18175491883631700	5.781472669115820	NA	8.876288256953920	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.6940656856053720	5.9447978641067500	NA	9.918778052276650	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.9641097193633530	1.1035461130870000	NA	12.720041779455400	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	0.06780485072279050	4.079683964008660	NA	12.58090121679370	NA	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-0.8758206044416900	8.292529642323950	-0.105615613355377	9.39062420112588	0.9995465785221000	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-1.1458646381996700	5.88585085161378	-0.19468122232242700	8.980012571150240	0.9971889835320220	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-0.24955976955910800	7.0759626532311900	-0.035268666864027100	9.92098457775693	0.9999830959795610	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.27004403375798100	6.046357223055680	-0.044662269164028500	9.996595071277400	0.9999657020434190	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.6262608348825820	7.2100237788288600	0.08685974611089380	10.691274324635400	0.9997494582219260	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.8963048686405630	4.2263027896612900	0.2120777694473700	12.597464702825900	0.9964492401319190	CWM_diet_planto	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	15.114994742385400	1.6386756182311400	9.223908975164500	38.06030072790280	3.02252495357308E-11	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.28276303026516400	0.4527299019147970	0.6245733473075950	8.53866050450805	0.5485736371513030	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.099665983778320	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.08321816331804280	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	2.4430047878820400	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.53490653227211	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.14110582821511200	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.4562742136876000	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.570409304031680	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.321692105177750 0	5.761128572252290	0.5765696883031290	16.90921861944420	0.5718263260095500	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.572999639194588	1.1803105591150100	-0.4854651470916420	2.612932393909450	0.6650924988175360	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

fixed	NA	taxaBirds	11.119865988104200	6.0933350871262200	1.8249227769531000	17.920754861451800	0.08472860796086460	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	15.024226475602000	6.47255471728001	2.3212204657754800	20.645745506509100	0.030601050208711500	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.7578932061071210	1.3212150800334000	0.5736334814525150	3.121882633437010	0.6049450328219490	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	1.873895909835560	1.6050669183605200	1.1674877155586900	6.1842372007981800	0.28604738955323400	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.100762934812440	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.08250566748329900	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	2.4442135616768700	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.113306235338820	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.10552793834618100	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.5983037667075200	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.569976707415720	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.572999639194588	1.1803105591150100	NA	2.612932393909450	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.18489356691253300	0.5936971212236650	NA	7.789090608695570	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	1.300896270640970	1.0877071280712200	NA	45.354657481578	NA	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.7578932061071210	1.3212150800334000	-0.5736334814525150	3.121882633437010	0.8424321566659860	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-1.873895909835560	1.6050669183605200	-1.1674877155586900	6.1842372007981800	0.511257796685824	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-1.1160027037284300	1.2391864541731400	-0.9005930463249730	25.98094796678360	0.6447593051896030	CWM_diet_seed	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.6707973627288600	2.7700142361799900	1.3251907931675900	9.53877288470746	0.2159719694728190	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.4123796833799480	0.8792745369505530	-0.46899991532808200	4.198906262765300	0.6623909252630760	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	13.142917002687100	3.1335242484429200	4.194292419858560	11.467313070892700	0.001371383883375130	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.8307311581400610	1.027623559149400	0.8084002655872240	5.601350628132220	0.45181720910266500	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.108958554404320	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.08486418695669300	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	2.446499251117040	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	6.038533151488960	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.2666948217661620	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.5024521853350700	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.570050588154740	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.4123796833799480	0.8792745369505530	NA	4.198906262765300	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.4183514747601130	0.5318707248845960	NA	16.751253603652800	NA	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.8307311581400610	1.027623559149400	-0.8084002655872240	5.601350628132220	0.45181720910266500	CWM_diet_seed	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.843684230243750	6.537303234733800	0.5879617469511900	26.41580740369420	0.5615513622152580	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.022443661732144600	2.1702322647117100	-0.010341594352402600	7.744618848626370	0.9920101652228400	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	1.0265400604131500	6.942272989939190	0.14786800546461000	26.51134525214360	0.8835658347166470	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	3.6454313743106800	8.185420922225130	0.4453566174480500	28.742229347173900	0.6593984296962080	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.509475526313814	2.311762336223880	-0.22038404135695500	7.899059069797240	0.8311612480102540	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-2.69452035489732	2.8974105383235000	-0.9299753415187150	9.37401329129745	0.3757118336164400	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.1665883993052300	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.24108611409214700	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9989682651593350	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	11.181315267550500	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.8869869398417750	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	3.5223797027977000	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.0098020784377800	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.022443661732144600	2.1702322647117100	NA	7.744618848626370	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.5319191880459590	0.7964527709710900	NA	9.204185552821870	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-2.7169640166294600	1.9196561527503600	NA	12.267784572218800	NA	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.509475526313814	2.311762336223880	0.22038404135695500	7.899059069797240	0.9736690666266990	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	2.69452035489732	2.8974105383235000	0.9299753415187150	9.37401329129745	0.6355689402870200	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	2.185044828583510	2.0783206588926200	1.0513511566342000	11.744948730520300	0.5607552668480400	CWM_diet_vend	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.606248571693480	4.156622333756010	0.6270111553142760	27.80398727625940	0.5357671412325060	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.7883407142166050	1.610515272268110	0.4894959568476330	15.003011511081900	0.6315701320384460	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	3.11163464220578	4.706995381001760	0.6610660071528580	28.299845136507400	0.5139162333829600	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-2.0512606808624700	1.8256347546177100	-1.1235876594012400	15.231683777933500	0.2785854508620010	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.1668518071991300	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.24134597870635400	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9987281776413130	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	10.85281090172850	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9102197855279100	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	3.905106573275000	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.0098026668275800	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	0.7883407142166050	1.610515272268110	NA	15.003011511081900	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-1.2629199666458700	0.8597574164025730	NA	16.06357500787180	NA	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	2.0512606808624700	1.8256347546177100	1.1235876594012400	15.231683777933500	0.2785854508620010	CWM_diet_vend	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	4.0008573708327900	11.16952888648320	0.35819392308250600	24.68844865092640	0.723242770682226	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1.1516125982263900	4.165568987646080	-0.27645985497821600	11.006240480518500	0.7873174785820600	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-3.309415987547960	15.948893611587300	-0.2075012893147380	25.655112851558100	0.8372567029975560	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	1.9381731025405700	11.394185011894000	0.17010195117223300	24.778142282591700	0.8663112217743500	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-2.1085505881099600	12.384643368461500	-0.17025525284640400	25.74664497313540	0.8661402183826210	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	1.331723808841660	5.98056784046662	0.22267514462937000	11.688060513038300	0.8276320462907360	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.2785478598818820	4.261301210504210	0.06536685536222010	11.132490238665700	0.9490410031402850	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	0.38428283285286200	4.764746570232710	0.0806512638581098	12.12544765184100	0.9370352063178430	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.166434282748040	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.2406991676252870	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.000018861556850	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	11.166224655949000	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9099651834058030	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.161805102568750	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.0097155894912000	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-1.1516125982263900	4.165568987646080	NA	11.006240480518500	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.18011121061527300	4.29129662265204	NA	12.389218774832700	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.8730647383445060	0.8981776081632550	NA	14.368589224173300	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.7673297653735260	2.313189332438150	NA	16.971911510044200	NA	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-1.331723808841660	5.98056784046662	-0.22267514462937000	11.688060513038300	0.9958828943052210	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-0.2785478598818820	4.261301210504210	-0.06536685536222010	11.132490238665700	0.9998933127128320	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-0.38428283285286200	4.764746570232710	-0.0806512638581098	12.12544765184100	0.9998007995811560	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	1.053175948959780	4.384284402201880	0.24021615669614200	12.46743322801370	0.9948676153567320	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.9474409759887990	4.875045804019740	0.19434504086250500	13.281006767839100	0.9972655561701160	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-0.10573497297098000	2.481447210267500	-0.04261024719794290	16.59987968152550	0.999971002114443	CWM_diet_vend	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	19.047831471477300	2.7069559817401500	7.036624016040530	27.084430602148300	1.42613471614195E-07	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-2.279505727087180	1.1044119547378400	-2.0639995042685600	21.632855691056800	0.05121603509155560	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	7.326357303890860	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.1543238077500610	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.9042855063523700	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	12.499889606898400	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.5102889896612160	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.886322267457570	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.842311038133490	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.6091908326528390	8.248867683889880	0.07385144919254730	18.66609628635900	0.9419142629371120	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.029990943457756700	3.697474107013750	-0.008111197695980280	17.15760868964790	0.9936218377794510	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	20.20651206698560	8.65453315060119	2.334789377469990	19.227642093472700	0.030539672279995200	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-2.3918081691918400	3.8759956378221500	-0.6170822654835970	17.47110334552810	0.5451393083051040	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	7.326951163211910	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.1540796577313560	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.9040945083404100	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	11.325109549842100	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.5310465541838080	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.930587839777990	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.842352619418230	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.029990943457756700	3.697474107013750	NA	17.15760868964790	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-2.421799112649590	1.1627671359215800	NA	21.079916789164700	NA	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	2.3918081691918400	3.8759956378221500	0.6170822654835970	17.47110334552810	0.5451393083051040	CWM_forstrat_understor	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.25058476996950400	12.082097799607000	0.020740170633087800	17.391472717269200	0.9836890233618880	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.29265939549697000	5.563756764786170	-0.052601040604300700	16.64042167898290	0.9586760944616950	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	13.480075602001000	18.449275159338900	0.7306561090112800	23.626656566875100	0.4721732070498950	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	18.83128287902160	12.393533822542500	1.519444183447460	17.663045452911800	0.14634836575940700	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	44.17869822896390	18.46251103481850	2.392886760942060	23.694548875136	0.02500611668229720	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	0.09995921124389950	7.879534061422110	0.01268592920148620	16.738673092024700	0.9900283403024180	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-1.9914846461392200	5.702173466113380	-0.3492500987516640	16.764488105912000	0.731249908120722	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-6.43641803288415	8.04685290125358	-0.7998677385890140	18.206905649774200	0.4341001167980930	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	7.326119892250550	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.15432117965488000	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.9041936588124100	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	11.824572924620800	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4485216241258480	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	5.214370369518110	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.8422247958114900	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.29265939549697000	5.563756764786170	NA	16.64042167898290	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.1927001842530700	5.579575941539580	NA	16.830327885105300	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-2.2841440416361900	1.2487565415018100	NA	19.444115747552800	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-6.72907742838112	5.813471620014090	NA	19.83635696091720	NA	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-0.09995921124389950	7.879534061422110	-0.01268592920148620	16.738673092024700	0.9999992344762300	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	1.9914846461392200	5.702173466113380	0.3492500987516640	16.764488105912000	0.9848575469085650	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	6.43641803288415	8.04685290125358	0.7998677385890140	18.206905649774200	0.8535744042597680	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	2.091443857383120	5.717609691763760	0.36578989650095400	16.946682650541500	0.9826978277867240	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	6.53637724412805	8.057798704616330	0.811186464658561	18.302494469443400	0.8483794748464170	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	4.4449333867449300	5.946078134085760	0.747540359630401	19.823451708093700	0.8766175514962090	CWM_forstrat_understor	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.3643473274407200	0.3667825621662210	3.719771516352540	31.276534886798600	7.83152652198925E-04	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.09440810244720120	0.18487928012337100	0.5106472849970110	21.237312148124700	0.6148653228164320	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.5281243609730900	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.02651941237527220	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5775510525929550	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.6928565078474900	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.04976161859798870	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.7771043164940930	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.05020227146543	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.6210040627799980	0.8024475082560180	0.7738874585449750	17.909034596400300	0.4490933262318550	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.10348634165378400	0.48210114003856300	-0.2146569112977140	15.210959218115000	0.8328861128632330	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	0.9340542761662920	0.9021774449375820	1.0353332167719100	20.171626809483700	0.31276660016097600	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.2223014626324720	0.5247904557682050	0.4236004298269100	16.149284480119600	0.6774452169705240	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.528211118696550	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.02644601709961500	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5776347518710950	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.6905687252192000	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.1014652900311240	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.8136157912578540	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.0501694394431700	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.10348634165378400	0.48210114003856300	NA	15.210959218115000	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.11881512097868700	0.20732465661111900	NA	23.09398315520610	NA	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.2223014626324720	0.5247904557682050	-0.4236004298269100	16.149284480119600	0.6774452169705240	CWM_diet_vect	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.3486767565638900	2.7762137703392100	0.48579715689512700	80.84803162336410	0.6284250269377440	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.4407220394877070	1.7416153118195500	0.2530536086222530	150.07657252680700	0.8005730839765340	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-0.6952273809487710	3.6599883131043500	-0.18995344287290600	61.46481292381120	0.849971556912954	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	0.04870352813713830	2.8073989141181600	0.01734827490749990	78.44310115288420	0.9862028233047050	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.23078494160331600	3.081348862277350	-0.0748973751166716	68.66382524998970	0.9405141467252370	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.39650429382171100	2.0255525681785900	-0.19575117429722100	71.61990161848390	0.8453592573503810	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	-0.4042431614033850	1.7541957712631300	-0.2304435844764940	143.0048801695560	0.8180764301571640	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	0.1704017129444320	1.8934024679958700	0.08999761848034300	99.61600478515980	0.9284698128836280	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.5287462473009700	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.02729245217285900	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5781284326588230	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.8118146207921500	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.11676918490743500	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.8434877882232410	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.0501416221929200	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	0.4407220394877070	1.7416153118195500	NA	150.07657252680700	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.044217745665996000	1.034233683502220	NA	19.81220738290790	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.0364788780843221	0.20971149122821400	NA	19.302199712733300	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	0.611123752432139	0.742798096018384	NA	23.443078350434700	NA	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.39650429382171100	2.0255525681785900	0.19575117429722100	71.61990161848390	0.9973181505952550	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	0.4042431614033850	1.7541957712631300	0.2304435844764940	143.0048801695560	0.9956703086908640	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-0.1704017129444320	1.8934024679958700	-0.08999761848034300	99.61600478515980	0.9997370410445030	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.007738867581673860	1.0552811102468100	0.007333465468612330	19.795173875241300	0.9999998530588110	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-0.5669060067661430	1.2733374743323600	-0.44521269356608300	20.98237350330450	0.9698249283677200	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

contrast	climate	Temperate - Tropical	-0.574644874347817	0.77183412790683	-0.7445186129644470	23.112458594328100	0.8780392416495980	CWM_diet_vect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.972480255048470	1.5420130209865700	2.576165182124670	18.01107763799260	0.019022011391578400	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.09536443359740580	0.650535806534221	-0.1465936734604470	16.86149101737110	0.8851911676641680	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6767945272116100	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.3620435203857730	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5120730281501240	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	6.456825714296410	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.8771282209188990	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	2.632246301607160	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.031779183586300	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.10026395042946	1.3233009796186300	1.5871400254194200	17.060719441899300	0.1308402631724840	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.6153950118429170	0.5595388516981960	1.0998253472036800	15.085677613954100	0.2886499482751710	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	11.76442770918370	3.318623728588700	3.5449718531925000	17.228816320240400	0.00244646698025863	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-4.855769061746740	1.5170552018884700	-3.2007860067993200	15.514627557852200	0.005747950672093220	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6768660382093700	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.3622639910056180	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5119932082590990	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	4.96080248548726	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7834206986582120	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	2.032384964535460	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.031809079527410 0	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.6153950118429170	0.5595388516981960	NA	15.085677613954100	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-4.2403740499038200	1.4100967197384500	NA	15.564920728229700	NA	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	4.855769061746740	1.5170552018884700	3.2007860067993200	15.514627557852200	0.005747950672093220	CWM_diet_nect	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.5089559108970410	2.4527336503422100	0.20750557681875900	90.87087595343170	0.8360793596457430	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-2.3175296875583200	3.919010056864890	-0.591355891904061	12816.033827374100	0.5542924172336510	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	0.8818547491254800	2.5032044306301600	0.3522903436630150	82.14653104450760	0.7255227457706470	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	2.439970845934250	3.9233167083529800	0.6219153403393100	11334.567400187000	0.5340100463933870	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.652895787659590	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.3440162063206140	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9013898042756210	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.2301990337423600	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6850193942642140	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.3058917141502380	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.5736837971862800	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-2.3175296875583200	3.919010056864890	NA	12816.033827374100	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.12244115837592300	0.18377749653726600	NA	3.245225482436490	NA	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-2.439970845934250	3.9233167083529800	-0.6219153403393100	11334.567400187000	0.5340100463933870	CWM_forstrat_aerial	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.398825126383590	0.49458831260538700	2.8282615879353700	16.38625453084050	0.011904260929580000	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.11689118923802100	0.18555079957770600	0.6299686635899870	3.1387908318854500	0.5716009856980090	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-1.393874727203790	3.0814788644008500	-0.45233953842964600	182.72281749455100	0.6515609503542850	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.10870206333482900	1.4632561991002900	-0.07428778596780720	500.76014726022300	0.9408110609762600	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.6529402477977600	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.3439456350137540	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9018859104359820	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.2199787497718200	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6715574760059300	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.3076160474518550	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.5736663767022800	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.11689118923802100	0.18555079957770600	NA	3.1387908318854500	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	0.0081891259031915	1.4514439723880100	NA	689.9979551095440	NA	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.10870206333482900	1.4632561991002900	0.07428778596780720	500.76014726022300	0.9408110609762600	CWM_forstrat_aerial	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	8.499763834579410	1.46635670153374	5.796518559017090	21.314454316671000	8.86754470726151E-06	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.5006920784207480	0.5476901772479920	0.914188530706543	11.543399459270300	0.379317377188893	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	6.924568713319490	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.6186320800159940	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.804562488577275	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	4.544104037509740	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.04194983452869320	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.957457271627130	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.052552806210510	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	16.57196011624180	2.150353977819520	7.706619601785720	26.22071447764400	3.34186672329318E-08	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.06039597764847320	0.6101151477059480	-0.09899111319488460	11.461823637890400	0.922855473404123	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.857212394534570	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.28310411614835300	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.3636736444870100	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	7.703242715240030	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.008527961580283010	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.771098757733170	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.46411062406132	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.09287581904231810	5.1290735085008100	0.01810771845799980	14.026567952509800	0.9858079765937310	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.013369281601025500	2.089102560235120	-0.006399533395584400	5.953399871564050	0.9951029928947300	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	18.49939547439580	5.455661293534240	3.3908621666671900	14.797677077891700	0.004100234006186820	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.05288500330857180	2.1920626719130200	0.02412568034034300	6.29159386936324	0.981499456825151	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.854566334359290	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.2816872305202270	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.363533693393260	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	5.521419201007700	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.08413098889830720	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.922129124047570	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.463974703406030	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.013369281601025500	2.089102560235120	NA	5.953399871564050	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.03951572170754630	0.6639196114090520	NA	11.980759074983800	NA	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.05288500330857180	2.1920626719130200	-0.02412568034034300	6.29159386936324	0.981499456825151	CWM_forstrat_midhigh	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	9.177453673979250	11.797239835167300	0.7779322792625980	55.80287503707390	0.4398948822052580 0	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.3414898026069070	2.5667136794156100	-0.13304553809237400	8.878754627620620	0.8971238885160840	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	7.013709575103600	12.006335108509000	0.5841674009359390	53.85730551457390	0.5615466729797790	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	21.162637658347900	16.723222531116500	1.265464094553020	56.33193584098460	0.21091430286203900	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.4053921095029010	2.6600882291593500	0.15239799381805200	8.902220288160060	0.8822710999779020	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-1.2366571721055700	4.283582302818070	-0.28869695611824800	17.229722575206600	0.7762578286629480	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.858979681519240	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.2830788220091500	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	sd__year_scaled	1.3677487000843300	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	7.676887152869720	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.0158135422639006 0	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	2.0257680284612000	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	5.463751308889100	NA	NA	NA	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-0.3414898026069070	2.5667136794156100	NA	8.878754627620620	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.06390230689599390	0.6986059510288160	NA	9.191083408412810	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-1.5781469747124800	3.429439929918130	NA	28.32619056105290	NA	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.4053921095029010	2.6600882291593500	-0.15239799381805200	8.902220288160060	0.9872958400183090	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	1.2366571721055700	4.283582302818070	0.28869695611824800	17.229722575206600	0.9552139053047780	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	1.642049281608470	3.499872641644230 0	0.46917400995398600	26.702033150796400	0.8862526750126000	CWM_forstrat_midhigh	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	98.29069956624400	15.909521865077200	6.178105187560730	1.2851027148263400	0.06545623091366150	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-4.6447142698562100	18.260925490883700	-0.2543526215128010	0.5725735651877480	0.8615561075729520	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	9.96645024464446E-05	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	22.52842510633080	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.9999999997674190	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	25.948358800319500	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	27.893881914760700	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	324.11640138465100	192.4862513665160	1.6838418280976100	0.2981362273289140 0	0.5940344344917420	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-123.38215996478500	331.74244036697100	-0.371921541989925	0.4615563061143630 0	0.8164513731254970	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	553.9680918991200	773.9646754515800	0.7157537152143280	9.247633819939490	0.4918198275533500	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-245.73595733795000	871.496229920541	-0.2819701897739190	2.7133132622208300	0.7980835494777530	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	47.9564525053247	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1.0000000000000000	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	89.15424206373630	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	225.92368281900600	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	89.15424206373630	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	225.92368281900600	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	414.17217919926500	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	226.21028270243500	NA	NA	NA	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-123.38215996478500	331.74244036697100	NA	0.4615563061143630 0	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-369.11811730273500	805.8862401264110	NA	4.633521687513990	NA	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	245.73595733795000	871.496229920541	0.2819701897739190	2.7133132622208300	0.7980835494777530	CWM_litter_size_min_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	11.908911285829000	2.4163614547763000	4.9284477958747800	0.992186229326644	0.12887771337495500	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	2.3824714731898600	1.4898399981476200	1.5991458654299000	0.4767962458241450	0.503661138561548	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	3.175169035117990	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.9999999997691860	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.936516852829760	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.1717068086916000	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.7145892098893260	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.1712103382935600	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.0957678394305900	0.2639328086727150 0	7.940535509662250	1.9614157535082300	0.016383608555665800	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.013280750214983100	0.2157225516998980 0	-0.06156403264438750	1.4088036822560600	0.9584767934454590	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5697632499340480	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.9999999995198910	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.2388059028951800	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	9.28490531294131E-10	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.4954882229990000	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.990350343895510	0.6102825451508190	3.261358791449030	0.4886091946755000 0	0.35877260315002300	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.17321162935317200	0.1459905061313200 0	-1.1864581741867900	0.1632545708587140 0	0.7526986131164570	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	0.38674553679619700	1.8718476062232600	0.20661165765332600	4.189798145108060	0.8459682740344870	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.11739889527265000	1.539153448771290	-0.0762749778888969	47.56788460615190	0.9395202422358140	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.30087746304176000	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.9994693742203460	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.035094373960327700	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.7804645773989030	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.03704270081801510	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5010869229533530	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.17321162935317200	0.1459905061313200 0	NA	0.1632545708587140 0	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.29061052462582100	1.5322141204753600	NA	49.46059991745100	NA	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	0.11739889527265000	1.539153448771290	0.0762749778888969	47.56788460615190	0.9395202422358140	CWM_offspring_size_ma	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.7536968453372600	0.4011559852375400 0	4.371608326618460	1.7796388357141200	0.0596341439144897	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.0035717494312823800	0.1846225240022750 0	0.01934622793499650	0.8895773386829050	0.9879713661058390	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.2872761422369820	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.10356424685785000	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.6324105385310010	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.13292509245765400	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5104345536862550	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.113735629494230	0.4771239057443240 0	4.430160811575250	1.3983695347281400	0.08693831621624060	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.17553669835636200	0.3556516477898010 0	0.49356357392756400	0.9193789401808830	0.7137358290675720	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.1984394930753990	1.706025640926290	-0.11631682919352600	45.350439948248800	0.907915015521009	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.5819025224916670	1.616582661474220	-0.35995840878375400	45.11391280847890	0.7205579398310520	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.645021469721807	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-1.0000000000000000	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.4578723121669070	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.006814716038006140	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9779554277777690	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.0032940108850980200	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.5147746925921290	NA	NA	NA	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	0.17553669835636200	0.3556516477898010 0	NA	0.9193789401808830	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.4063658241353050	1.5769753982873300	NA	51.39849272677670	NA	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	0.5819025224916670	1.616582661474220	0.35995840878375400	45.11391280847890	0.7205579398310520	CWM_offspring_size_mir	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.8884099156183200	0.3392876185704830	5.565808512478990	45.17582611390550	1.35582999714521E-06	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.00810086337516406	0.1664059316716780 0	-0.04868133782122160	38.81752758043830	0.9614228690562070	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	0.4264430353489560 0	0.5087790921044170	0.8381693390447670	51.4544314329502	0.4058123876138510	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

fixed	NA	taxaBirds	0.7592239736388520	0.3566525607546290	2.1287495371754400	45.525305800281400	0.038718799368435300	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	0.4702612904011120	0.3716746320559200	1.2652498982775800	46.65143102782850	0.2120651088094970	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	-0.02222802063993040	0.2541778528947970	-0.08745065861080550	52.069952252848000	0.9306487554877440	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.04409058358481630	0.1749208638686040	-0.2520601751540400	39.51085649995860	0.802301140928137	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.05640919202730370	0.1836894415752860	-0.3070900076974970	41.171787446382100	0.7603227836846520	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.19054791339538000	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.3609080981901550	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.08041521713098870	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5653005509709630	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7480454933596660	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.2577021006110270 0	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.1685588033683690	NA	NA	NA	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.00810086337516406	0.1664059316716780	NA	38.81752758043830	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.03032888401509450	0.1921339293479680	NA	65.83162814467580	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.05219144695998040	0.0539108015245514	NA	47.04815531532040	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.06451005540246770	0.0777873823362110	NA	54.95366892900960	NA	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	0.022228020639930400	0.2541778528947970	0.08745065861080550	52.069952252848000	0.9997570850740510	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.04409058358481630	0.1749208638686040	0.2520601751540400	39.51085649995860	0.9942874361562310	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.05640919202730370	0.1836894415752860	0.3070900076974970	41.171787446382100	0.9898024871801450	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	0.02186256294488590 0	0.1955540561544910	0.10955709628853800	64.20830222081630	0.9995244429284190	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	0.03418117138737320	0.2072831967560600	0.1649008309515760	64.28010141384160	0.9983880188588570	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.01231860844248730 0	0.0946427565730258	0.13015901996665100	52.206778037575900	0.9992020541548440	S	logvalue ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.1507593707485600	0.41213948282381	5.218523001029750	50.955634370280100	3.33721042817754E-06	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.09771031016568730	0.2168079686418790	-0.45067674762030700	60.291298885157900	0.653839158000955	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	-0.09270353821213140	0.4533948941718490	-0.20446533342961300	49.776617060528300	0.8388236210191540	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	0.4664618952642430	0.4224572983390110	1.104163419825500	51.08938065659650	0.27469568470974800	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	0.06855784797843730	0.2393432048136310	0.2864415893144790	58.26241859235160	0.7755560473838580	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.03489139504202680	0.2215837316721530	0.15746370357933500	59.848217440843800	0.8754094647657230	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.19053050338130100	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.3610325904371280	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.08042201830631280	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5475576299546670	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7318717790623460	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.2512559083695950	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.16855831524690400	NA	NA	NA	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.09771031016568730	0.2168079686418790	NA	60.291298885157900	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.02915246218724990	0.1013877429665030	NA	50.092771499513200	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-0.06281891512366050	0.0457564735872284	NA	50.65967840986590	NA	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-0.06855784797843730	0.2393432048136310	-0.2864415893144790	58.26241859235160	0.9558132780180070	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-0.03489139504202680	0.2215837316721530	-0.15746370357933500	59.848217440843800	0.9864267203059630	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	0.03366645293641050	0.1112345688128490	0.30266178307441400	50.28712574970920	0.9508078848307870	S	logvalue ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.9157450329103600	0.4191148273631290	4.57093118123097	39.06847768290820	4.78487588724077E-05	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	year_scaled	-0.02277708147033900	0.2011869307410990	-0.1132135242902540	41.45444513713570	0.910407777473386	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	climatePolar/Temperate	0.7147745862889360	0.7502997935959350	0.9526519831003310	44.57064280089460	0.3459044744771040	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	climateTemperate	0.5932820662925210	0.4303458578665860	1.3786168855759000	39.499261530714200	0.1757712418280880	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	climateTemperate/Tropical	0.25412613141564500	0.6673326155230130	0.38080879834784800	52.23143396140670	0.7048896170558790	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	climateTropical	0.7555711959400910	0.4978691579970620	1.5176099659994400	42.51037367566880	0.1365150773913640	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	year_scaled:climatePolar/Temperate	0.08293059000815490	0.3355235271643620	0.24716773428389100	39.539858821469300	0.806057335738402	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	year_scaled:climateTemperate	-0.02988462697091750 0	0.2063615554309580	-0.14481683329294300	41.721765269326200	0.8855528171512440	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	year_scaled:climateTemperate/Tropical	0.04188964119241460	0.3307863203012600	0.1266365584715350	71.28406775344600	0.8995845853480690	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	year_scaled:climateTropical	-0.13906983187608500	0.2454757140496460	-0.5665319374443640	45.12213881174070	0.5738395611717960	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	rarefyID:study_id	sd__(Intercept)	0.19056704461687200	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.36127674767948500	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	rarefyID:study_id	sd__year_scaled	0.08043888246909500	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	study_id	sd__(Intercept)	0.5910604210445090	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7089618233970660	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	study_id	sd__year_scaled	0.25484230754662700	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
ran_pars	Residual	sd__Observation	0.16856100741364200	NA	NA	NA	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
group_slope	climate	Global	-0.02277708147033900	0.2011869307410990	NA	41.45444513713570	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
group_slope	climate	Polar/Temperate	0.06015350853781590	0.2685141638345930	NA	38.290811788033100	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
group_slope	climate	Temperate	-0.05266170844125650	0.0459228751153545	NA	47.24313547383000	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
group_slope	climate	Temperate/Tropical	0.01911255972207560 0	0.2625707687413510	NA	103.04324929484800	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
group_slope	climate	Tropical	-0.16184691334642400	0.1406490138150980	NA	54.162883582773800	NA	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Global - (Polar/Temperate)	-0.08293059000815490	0.3355235271643620	-0.24716773428389100	39.539858821469300	0.9991390200079450	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Global - Temperate	0.02988462697091750 0	0.2063615554309580	0.14481683329294300	41.721765269326200	0.9998966896706820	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Global - (Temperate/Tropical)	-0.04188964119241460	0.3307863203012600	-0.1266365584715350	71.28406775344600	0.9999405695907300	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Global - Tropical	0.13906983187608500	0.2454757140496460	0.5665319374443640	45.12213881174070	0.9792380118177810	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	(Polar/Temperate) - Temperate	0.11281521697907200	0.2724128606337280	0.41413322673762300	38.514569311520900	0.9935772861974540	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	0.04104094881574030	0.3755572722997320	0.10928013339863000	59.10524170918210	0.9999667937403570	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	(Polar/Temperate) - Tropical	0.22200042188423900	0.3031204401998490	0.7323835427854130	41.089914667313000	0.9476598896287030	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Temperate - (Temperate/Tropical)	-0.07177426816333200	0.2665564087698600	-0.2692648377676070	100.3951562894620	0.9988271598726900	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	Temperate - Tropical	0.1091852049051670	0.1479562622737540	0.7379559555454870	53.43252413649640	0.9465705351706110	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
contrast	climate	(Temperate/Tropical) - Tropical	0.18095947306849900	0.2978683495851540	0.6075149418208550	88.48679788436480	0.9735630689237130	S	logvalue ~ year_scaled * climate + (year_scaled|study_id/rarefyI
fixed	NA	(Intercept)	4.856775226933450	1.4450573907693200	3.3609566360183000	25.98384091865880	0.002411826606979860	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.10431467467105100	0.8912803430597470	-0.11703912857871500	21.294102513957800	0.9079259240435640	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-2.4250190333869500	1.6515932156822500	-1.4682907451791700	29.841838259705300	0.15248789642015800	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.5760861309587830	0.9895734007628640	0.5821560386674470	23.528417145247400	0.5659987996821990	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.9074159305514700	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.07971860334391280	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.3440971398084500	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	3.6025357602228100	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.4395093323162100	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.7970123809848600	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.139998123073320	NA	NA	NA	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.10431467467105100	0.8912803430597470	NA	21.294102513957800	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.4717714562877320	0.4299707729284410	NA	38.39027219525290	NA	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.5760861309587830	0.9895734007628640	-0.5821560386674470	23.528417145247400	0.5659987996821990	CWM_diet_scav	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.7506583151939140	0.0133352297733491	56.291367149453200	28.77674325305760	5.43511807511827E-31	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.004197628751425590	0.0045807342552983	-0.9163659180993490	14.764413055789800	0.37420064643832200	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.07754684975403660	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.1557536478564330	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.031559989450430000	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)

ran_pars	study_id	sd__(Intercept)	0.07133470528128530	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.4636981991839920	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.01312720993421620	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.07814852916709590	NA	NA	NA	NA	FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	-0.2202647656976720	0.10370535674630600	-2.123947813385430	30.23803289935820	0.04196459632153760	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.0057647139889969300	0.03787976785308740	0.15218451209507800	16.1078718427381	0.8809312914429130	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5952730069053980	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.0029590831644006200	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.23408373911568400	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5569284261021180	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.12125501112272200	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.10655774287992700	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.6232284313196190	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.2854658265465570	0.5911797113800570	0.4828748704521030	68.24391379068480	0.6307300492815230	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.5024461787386600	0.28432936167773700	1.7671273053682700	246.30698030260800	0.07844524377347420	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	-0.37786994658472700	0.6269400445491110	-0.6027210255112790	55.68352750390300	0.5491411955334210	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.5607905249602580	0.6034840761077600	-0.929254883703214	66.57048276372210	0.3561143951438460	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	-0.5281233364478380	0.29188325617616700	-1.8093649610688500	172.9161196258480	0.07213109066724090	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.4945132422402930	0.2878279071077170	-1.7180865024850600	225.44768325236600	0.08715380339188210	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5952213627574550	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.0043297201920361900	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.23335250916197800	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5540919024208110	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.18722340255032500	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.10063868957870200	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.6232563125037270	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	0.5024461787386600	0.28432936167773700	NA	246.30698030260800	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.025677157709178	0.06597461120713440	NA	8.366082405314790	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.007932936498366790	0.04474056546289190	NA	23.499409702728500	NA	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	0.5281233364478380	0.29188325617616700	1.8093649610688500	172.9161196258480	0.16952755746238400	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	0.4945132422402930	0.2878279071077170	1.7180865024850600	225.44768325236600	0.2006471883787100	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.033610094207544800	0.07971428681153630	-0.4216320003841610	10.999119015890100	0.9074591947938070	SES_FDiv	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.16343400993056300	0.7956464134567460	0.20541035209410700	45.90723460978590	0.8381596787551240	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.24948578859808600	0.2663578570901130	0.9366563889785340	549.537055690164	0.3493467750778680	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	0.01534462563873980	0.8712029273537180	0.017613147473401100	43.767519387702200	0.9860275169311890	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.10851373571872700	0.8145073521404540	-0.1332262200378700	45.90817142744190	0.8945967605932300	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	-0.26371836665241600	0.26942199727481500	-0.9788301227067930	573.1419266345340	0.3280768990877830	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-0.2425631324387670	0.2666332978337900	-0.9097255834489700	546.5534886531250	0.36336824678446000	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.40163663404728300	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.213700895526703	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.16978701292031700	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.0153109627062700	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.007379287622072240	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8984023381931310	NA	NA	NA	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	0.24948578859808600	0.2663578570901130	NA	549.537055690164	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.014232578054330400	0.04051795382189300	NA	5950.285761011070	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.006922656159318360	0.01211641366433580	NA	50.07093760470340	NA	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	0.26371836665241600	0.26942199727481500	0.9788301227067930	573.1419266345340	0.5905564280428160	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	0.2425631324387670	0.2666332978337900	0.9097255834489700	546.5534886531250	0.6343784114714730	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.02115523421364880	0.04229080351563870	-0.5002324963115390	5161.909563019900	0.8711997470869710	SES_FEve	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	-0.2470471606224310	0.06678549629778590	-3.699113944154690	38.064110504390600	6.80749657714978E-04	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.022442128393499500	0.03646703808586010	0.6154085873566300	10.942785903423900	0.5508691906246810	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5445708580784290	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.06328147294769970	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.18214197869636400	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.273665651128462	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.2761481180255160	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.10764167529234600	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8120308990372200	NA	NA	NA	NA	SES_FRic	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.1301445939912860	0.1539715876441600	0.8452507113978750	11.450232582423000	0.41528426520845400	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.03572818280486170	0.0870461365644425	-0.41045110346064800	6.405572019934410	0.6948534932222600	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	-0.02871676043071640	0.3893073892101270	-0.07376371789135680	144.9939010433690	0.9413000617163800	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	-0.449035064511897	0.16964925697601300	-2.6468436851178500	13.028382338121700	0.02010195940725100	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	-0.372117189671609	0.21462720795874200	-1.7337838627763400	32.35082714164820	0.09247861578543300	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	-0.3299933055262710	0.21501417438046400	-1.5347514017487700	66.8025303969403	0.12956781141284800	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.11448696449897900	0.09784919298050320	1.170034836381240	7.568736352884460	0.2775076579269610	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	0.021944207886787400	0.12760577350594600	0.17196876978113300	20.803142871653200	0.8651240073046230	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5450997232889340	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.06505909111173280	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.18060501375371900	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.2099475324213040	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.03923769880303230	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.10693909137330500	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8120307117952280	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.03572818280486170	0.0870461365644425	NA	6.405572019934410	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.3657214883311330	0.1966063714474110	NA	182.35324810923200	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.07875878169411730	0.04469266915434990	NA	16.676607771488300	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.01378397491807440	0.09330703907666990	NA	191.95612540363500	NA	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	0.3299933055262710	0.21501417438046400	1.5347514017487700	66.8025303969403	0.42283820639017200	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.11448696449897900	0.09784919298050320	-1.170034836381240	7.568736352884460	0.6611984052176220	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-0.021944207886787400	0.12760577350594600	-0.17196876978113300	20.803142871653200	0.9981322136821580	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	-0.44448027002525000	0.2016221713251230	-2.20452079800544	150.25346712044600	0.1266884326196450	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-0.35193751341305900	0.21762414579952400	-1.617180447142410	185.03449811406100	0.3714807900972840	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	0.09254275661219170	0.1034583888207980	0.8944925362455300	94.54542662581530	0.8077154486773190	SES_FRic	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	-0.3446709483995730	0.4464693216899290	-0.7719924564916600	550.8715394278560	0.4404499449474140	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.688653643944149	0.28002456339765800	-2.459261557587730	133.50717946590300	0.015201601809165400	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmMarine	0.3307548488453470	0.456764610813513	0.7241253832171050	394.23975854532700	0.469418242438998	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-0.027191756484704300	0.45243725004337700	-0.0601006139129732	496.2093664499170	0.9520996982435440	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmMarine	0.6700233350521260	0.2894463986335690	2.3148442620644200	92.26988518837420	0.022839566146837900	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	0.7546673410306820	0.2832540660086100	2.664277168779430	126.06431043313700	0.008723799628891970	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5445661138191900	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.06335928366004130	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.18070865290533300	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.20695058408786500	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.10739072187375300	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.11181043565654700	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8120225417105300	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-0.688653643944149	0.2800245633976580	NA	133.50717946590300	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.01863030889202340	0.0732493110950103	NA	6.909387958128330	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.06601369708653270	0.0426510234855057	NA	23.15742031182840	NA	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Marine	-0.6700233350521260	0.2894463986335690	-2.3148442620644200	92.26988518837420	0.05869680093026030	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	-0.7546673410306820	0.2832540660086100	-2.664277168779430	126.06431043313700	0.023550547556220500	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-0.08464400597855620	0.0847618509723258(	-0.998609693011446	8.839207895333510	0.5962538850405740	SES_FRic	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.41325207845000500	0.06909811423231360	5.980656390427930	26.215159969935900	2.50401332508261E-06	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.0030909674768662600	0.0115903739942720(	-0.2666840154074260	13.049076773736000	0.7938803030157190	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	0.29677867102798800	0.1115249526169070(	2.661096589275730	50.039240103204700	0.010441307538569800	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	0.15191599466569700	0.0735861454659128(	2.064464631267700(	27.62786992631940	0.04847663604401250	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	0.2878235967895010	0.0788732423402675(	3.649191896382290	32.91107961614380	9.02117256746707E-04	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	-0.09191106820635010	0.0378848860526210	-2.426061461180690	190.11702705772800	0.016197388228994300	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.05470117393420930	0.0131605697688905(	-4.156444203769510	11.991850547399200	0.0013330965808007900	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-0.040795658363154400	0.0195502729232117(	-2.0448671815255900	74.44011480351130	0.044403512499202600	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.11064477169109700	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.01633282489665610	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03423159506486710	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.10650526183452700	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.37105456721665500	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.01173170912024090(	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.0969261828003146	NA	NA	NA	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.0030909674768662600	0.0115903739942720(	NA	13.049076773736000	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	-0.09500203568321630	0.0360683797155628(	NA	282.03346418468500	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.05779214141107560	0.0062340859245553(	NA	8.75429357627832	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-0.04388662584002060	0.0162381224402188(	NA	398.7675877228810	NA	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	0.09191106820635010	0.0378848860526210	2.426061461180690	190.11702705772800	0.07563848277491040	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.05470117393420930	0.0131605697688905(	4.156444203769510	11.991850547399200	0.006309256438804870	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	0.040795658363154400	0.0199502729232117(	2.0448671815255900	74.44011480351130	0.1811100817958750	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	-0.037209894272140800	0.0366031671118875(	-1.0165758104592000	238.94840402377500	0.7399032801868820	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	-0.05111540984319570	0.0395550835631726(	-1.2922589270115000	299.0691961830630	0.5685738147004250	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-0.013905515571055000	0.0173936898816288(	-0.7994574851965090	157.34860435240000	0.8545744162086160	Jaccard_base	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.656391131076259	0.0237932032774757(	27.587337586345300	57.62269903823780	6.75032605226154E-35	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.020367890248646100	0.0064225254458083(	-3.171321066845930	11.570165286852400	0.008391628827258260	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.0816445947351181	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.032515388267709400	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.03735302437326050	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.1500264611248300	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.28882766548731300	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.01598407508735750(	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.11798431912503200	NA	NA	NA	NA	Jaccard_next	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	17.803875670514500	3.188625588628580	5.583557923516490	38.32070032355010	2.06781271724778E-06	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.9333922136045770	0.8748811660894360	1.0668788514178200	15.204553805491300	0.30267469736225100	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	3.9778361537176200	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22107444510616200	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.296034144370530	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	20.060676473519400	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.11479177158685800	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.7291490500669600	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.6550118795027700	NA	NA	NA	NA	CWM_diet_planto	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.690940872204990	7.581172525383160	0.3549504859829040	17.63913156274440	0.7268352675516230	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.6798633187461010	1.3097675602825500	-0.5190717340712270	2.5567222019165900	0.6452345332625870	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	19.647667518962500	13.460645298465600	1.4596378615817200	43.84997388500530	0.15151708345733100	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	13.285490121424800	7.752416915060730	1.7137223483962700	18.124633945815400	0.10363088491508300	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	3.117919346938140	9.348266190581260	0.33352915753293000	25.5021499349452	0.7414617598111540	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	-0.33358565014472700	3.1152045082468000	-0.10708306605927000	20.185538255622600	0.9157802388553860	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.9069130703105710	1.3853999925360900	0.6546218241638590	2.7879841921790000	0.5626657197926760	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	2.156641008060190	2.516682643370690	0.856938006761042	16.31295105624850	0.4038927754360060	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	8.097517757853410	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.08432370322542450	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	2.4425622641002600	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	7.546728020472220	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.11644246535521100	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.2345478302931800	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	4.570727321102220	NA	NA	NA	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.6798633187461010	1.3097675602825500	NA	2.5567222019165900	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	-1.0134489688908300	2.82648333910403	NA	52.407035225943000	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.22704975156447000	0.4514887344668750(	NA	7.054592517615160	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	1.4767776893140800	2.1489998756339600	NA	84.51090456839560	NA	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	0.33358565014472700	3.1152045082468000	0.10708306605927000	20.185538255622600	0.9995450676545690	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-0.9069130703105710	1.3853999925360900	-0.6546218241638590	2.7879841921790000	0.9073762467171950	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-2.156641008060190	2.516682643370690	-0.856938006761042	16.31295105624850	0.826532370689766	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-1.2404987204553000	2.862315521318910	-0.43338992896342	48.328997686656400	0.9724311721373880	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-2.4902266582049100	3.550663111547960	-0.7013412931533420	62.088360200078600	0.896168004401162	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-1.2497279377496100	2.1959149671208300	-0.5691149049310390	69.50937855994560	0.940928079211609	CWM_diet_seed	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	5.049690450746480	1.8821110783272100	2.68299278873304	31.66845377874520	0.011498806281129400	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.8108150767062230	0.7346326033390690	-1.1037014597785200	16.46764351413770	0.2855901869431360	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.1662317642025700	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.24125157006796800	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9988955067491210	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	10.465219196573300	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.9243433219194790	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	3.790642184929200	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.0100355377997300	NA	NA	NA	NA	CWM_diet_vend	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.386154459884470	4.590161788626350	0.30198379135984300	18.98744750796170	0.7659472268894700	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.05787442551174740	2.464911038126010	-0.023479316136191100	17.673160339978800	0.9815310079899460	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	21.675381552115300	5.105533782557060	4.2454682458803400	20.511393155085000	3.7767745313488E-04	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)

fixed	NA	year_scaled:realmTerrestrial	-2.496572653587690	2.6905330917894900	-0.9279100343371770	18.36792232153370	0.36548802217368700	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	7.3278096942008500	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.15250692843147100	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.9046282103341000	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	8.72610980849034	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.6628189078114040	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	4.333394480165360	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.842746696220760	NA	NA	NA	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.05787442551174740	2.464911038126010	NA	17.673160339978800	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-2.554447079099440	1.0785091061919100	NA	22.623556818580200	NA	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	2.496572653587690	2.6905330917894900	0.9279100343371770	18.36792232153370	0.36548802217368700	CWM_forstrat_understor	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.8986173741839510	1.2260214725088800	0.7329540259560540	20.405589214085500	0.4719231957808310	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.5380197493798220	0.6097096432643290	0.8824196161623980	12.342784179575000	0.3944110608009040	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	0.36169541029968500	1.2854267690389000	0.28138157615164600	21.049907822844400	0.7811652304303070	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	1.1408101466405100	1.5495264939476800	0.7362314559295510	26.17264263585130	0.46813774848475200	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	-0.6019718737200160	0.6381646253742940	-0.9432861831959900	12.772977955768600	0.36303552098794700	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	0.3052472393725460	0.7863580212297850	0.3881784519666630	16.40338989049220	0.7028755332109460	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.5284897578846400	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.026093115613945900	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5772922648854010	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.5405224120511200	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.13003177299521800	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.6747111889682440	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.0502531295544600	NA	NA	NA	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	0.5380197493798220	0.6097096432643290	NA	12.342784179575000	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	-0.0639521243401946	0.1884363022073950	NA	18.719663865809000	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	0.843266988752368	0.4966015389252300	NA	26.704326868884400	NA	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	0.6019718737200160	0.6381646253742940	0.9432861831959900	12.772977955768600	0.6239220432435160	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-0.3052472393725460	0.7863580212297850	-0.3881784519666630	16.40338989049220	0.9206929548745400	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-0.9072191130925630	0.5311509469562340	-1.7080250318509100	25.473457775999800	0.22167235456149200	CWM_diet_vect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1.1772661807416300	0.4786425517272520	2.4595936497774600	16.66944194662530	0.025159818712910500	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.30669352424894000	0.11689426715990500	2.6236831942271300	8.186467180882030	0.029888750909422700	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	2.651763431953850	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.34406173836339600	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.9006556968093610	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1.2630937982616000	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.2746533164488950	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.5738429189105900	NA	NA	NA	NA	CWM_forstrat_aerial	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.11502917331654500	8.21425942564522	0.01400359635068500	112.9756866733810	0.9888518115119750	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.8528588208409290	9.41419077507619	-0.09059289759655700	3376.3720448156100	0.9278214493470650	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	8.750451758978480	8.335335387338100	1.0498019998416600	105.36464079725100	0.29621110388818400	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	1.3681107587655500	9.428354153297690	0.1451060001057590	3098.7744820728200	0.8846366180536990	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	6.921613973055400	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.6194775856694880	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.8056048019627370	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	4.194867403798770	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.05380945866173030	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.8090809706749000	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.052650027564940	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Marine	-0.8528588208409290	9.41419077507619	NA	3376.3720448156100	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	0.5152519379246200	0.5165985776945690	NA	11.01402988027080	NA	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Marine - Terrestrial	-1.3681107587655500	9.428354153297690	-0.1451060001057590	3098.7744820728200	0.8846366180536990	CWM_forstrat_canopy	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.5029852396659530	7.961430136868430	0.06317774960263590	136.33014794282600	0.9497174990016860	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.09988770669081410	1.2850601017161000	0.0777299883152715	13.876027324388400	0.9391525665489010	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	7.939457716796550	8.073796306788980	0.9833611618515230	125.51338859306500	0.32732148989551100	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	18.560767616863100	11.281355579214800	1.6452604021328900	137.40852394996600	0.10220178765955200	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.02354436742670560	1.3310296681358800	0.01768883743942360	13.400623816024000	0.9861477489694400	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	7.68042742202088	2.206077377220530	3.481485962970880	30.165745212004600	0.001543386146642300(	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	6.924478234116460	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.6148505855895710	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.7914361880293000	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	3.8606637183478600	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.38616066901224800	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.916246888636066	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	3.053712044260110	NA	NA	NA	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.09988770669081410	1.2850601017161000	NA	13.876027324388400	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.12343207411752000	0.34678597496917900	NA	8.409508123452150	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	7.7803151287116900	1.7931530691108300	NA	52.7093430654866	NA	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	-0.02354436742670560	1.3310296681358800	-0.01768883743942360	13.400623816024000	0.99982750919185	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-7.68042742202088	2.206077377220530	-3.481485962970880	30.165745212004600	0.004278274551557490	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-7.656883054594180	1.8263785044992500	-4.192385661423180	47.588164313431600	3.45423635766284E-04	CWM_forstrat_canopy	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	111.95152426197100	7.168752986273120	15.616596704662300	61.99999999323260	3.66112684292537E-23	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	11.011525088876000	7.465548693804420	1.4749786707592400	61.99999933164490	0.1452785811939930	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	-11.372620889742900	85.45903245944170	-0.13307687394121000	61.99999999913980	0.894563571783733	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-59.966294759534200	82.68437602093620	-0.7252433609023100	61.99999999888720	0.4710312800231360	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.2827714830662E-04	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	6.18810764232893E-05	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	27.11451082859930	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	11.011525088876000	7.465548693804420	NA	61.99999933164490	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-48.954769670658100	82.34665518812540	NA	61.99999999876960	NA	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	59.966294759534200	82.68437602093620	0.7252433609023100	61.99999999888720	0.4710312800231360	CWM_body_size_mm	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	112.54858395053200	7.370466922907400	15.270210846579000	61.99999999863770	1.10887402706592E-22	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	9.90801221506018	7.444665224201810	1.330887543854930	61.9999997024456	0.18809980841756700	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-11.969680577729000	84.54651961769220	-0.14157508353808400	61.99999999871470	0.8878746731358740	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	43.669264556936100	52.841695545895200	0.8264167927580510	61.99999999806150	0.4117367909575840	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-58.86278188624980	81.7838202775769	-0.7197362716301060	61.99999999814780	0.4743918715569350	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	62.939864985481200	63.824708862359500	0.9861363429203180	61.99999999836670	0.3278990759501440	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)

ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.43077608412434E-06	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.00155597489729E-04	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	26.817382192561000	NA	NA	NA	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	9.90801221506018	7.444665224201810	NA	61.9999997024456	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-48.95476967118960	81.44427677187980	NA	61.999999998206000	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	72.84787720054140	63.389040228295900	NA	61.999999998530500	NA	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	58.86278188624980	81.7838202775769	0.7197362716301060	61.99999999814780	0.7527837688827750	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-62.939864985481200	63.824708862359500	-0.9861363429203180	61.99999999836670	0.5883229640450390	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-121.80264687173100	103.20533242017600	-1.180197224459690	61.9999999983301	0.469358807387678	CWM_body_size_mm	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	1163.2250363118600	257.81667098120200	4.511830177175280	1.294910314764800	0.0956811862303162	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-1048.6084496206700	611.2415497829580	-1.715538562443960	6.3883445341736600	0.13404976034054900	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	realmTerrestrial	2240.9140769700700	1546.4627347035200	1.4490579221100200	49.542993674257200	0.15362187306404400	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:realmTerrestrial	-1087.7757083451100	1616.252900596170	-0.6730232056776960	53.30467045330140	0.5038400351304160	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	317.24850106378700	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.9999999992097240	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	837.3249094838470	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.03206324387558140	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.07198690435918660	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	480.6088255264000	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Freshwater	-1048.6084496206700	611.2415497829580	NA	6.3883445341736600	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
group_slope	realm	Terrestrial	-2136.384157965780	1496.214291638890	NA	54.06539165900840	NA	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
contrast	realm	Freshwater - Terrestrial	1087.7757083451100	1616.252900596170	0.6730232056776960	53.30467045330140	0.5038400351304160	CWM_litter_size_max_n	value ~ year_scaled * realm + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	802.7732153016110	254.78005592232300	3.150847943711730	4.624173445347410	0.028228846008905300	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-39.409346382762400	277.9132102094130	-0.14180450923173700	4.6021962962299500	0.893230262308724	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	2589.5453750652300	1510.3116151604300	1.714576878752370	55.16779379307340	0.09203608329190540	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-486.07362621015	975.2166862351470	-0.4984262811238920	53.81773003065200	0.6202146008770060	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-2086.0536025888400	1465.568441337800	-1.4233750835168400	56.17115712247810	0.16015835319306000	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-3512.830413776400	1169.2445706480800	-3.0043589698512300	56.72414813003020	0.003956767560413090	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	219.74750920138500	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	245.5105978097040	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.003790695322963580	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	469.12433051011100	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-39.409346382762400	277.9132102094130	NA	4.6021962962299500	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-2125.462948971610	1438.9771033051300	NA	53.032399917673400	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-3552.2397601591600	1135.736375036520	NA	56.674989124535300	NA	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	2086.0536025888400	1465.568441337800	1.4233750835168400	56.17115712247810	0.33591796394884600	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	3512.830413776400	1169.2445706480800	3.0043589698512300	56.72414813003020	0.010876614908016500	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	1426.7768111875600	1833.1809014435900	0.7783066090553330	54.842810537805800	0.7178266836127500	CWM_litter_size_max_n	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	9.529283725535020	0.2074160895187970	45.942837644094400	32.99999999975940	1.71275033258513E-31	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.9388782690117950	0.19861507829846600	4.727124833900620	32.99999191680340	4.11289793989069E-05	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	4.834772251694550	0.6944359261159930	6.962157442999270	33.0000000000738	5.86048677368417E-08	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	2.9487633889195300	2.1794488236718400	1.3529858360939000	32.99999999741780	0.18525742190266400	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	4.45973417794046E-06	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	NA	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.13274308297394E-05	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.1167061717879100	NA	NA	NA	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.9388782690117950	0.19861507829846600	NA	32.99999191680340	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	3.8876416579313200	2.170379972649280	NA	32.99999999077800	NA	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-2.9487633889195300	2.1794488236718400	-1.3529858360939000	32.99999999741780	0.18525742190266400	CWM_longevity_max_y	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.5783306475563800	0.18688917180186000	13.796040844409800	5.090344848780900	3.15754188595765E-05	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.19146682035233700	0.19517664451610600	-0.9809924790285910	4.736796176313420	0.3740067898296450	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-0.17579129786323800	1.5497218936971800	-0.11343409329002400	54.73491779523050	0.9101014550433670	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-1.1820851669115200	0.9771583900624270	-1.2097170519469200	56.68896554589440	0.23140809706411300	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-0.12265141577633700	1.499829146521480	-0.08177692509896860	55.07334644630300	0.9351205877338130	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	0.056154051982663300	1.1760114964864200	0.047749577406713700	56.68088162985020	0.9620836737505020	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.1304336409032260	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	1	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.14077211006114500	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	6.63915062213752E-07	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	1.0000000000000000	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.65604648233469E-06	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.4869958669215380	NA	NA	NA	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	-0.19146682035233700	0.19517664451610600	NA	4.736796176313420	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-0.3141182361286740	1.487075501173630	NA	53.38565023372310	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.13531276836967300	1.159702167499770	NA	54.79973509217920	NA	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	0.12265141577633700	1.499829146521480	0.08177692509896860	55.07334644630300	0.9963200953419440	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-0.056154051982663300	1.1760114964864200	-0.047749577406713700	56.68088162985020	0.9987437817614230	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	-0.1788054677590010	1.8858161796671600	-0.09481595803815770	53.98194011470580	0.9950563299047940	CWM_offspring_size_ma	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.4884983201092000	0.08539275134693870	29.14179811350470	54.9920876671758	4.05750325539348E-35	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.05823331711648310	0.04006392336282460	-1.453510096580260	53.685066790614400	0.15190325940119900	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.19051695981293100	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.36078032634919800	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.08039138046946760	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5778399102113230	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.7070599819336650	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.24364505146744200	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.16856321220757300	NA	NA	NA	NA	S	logvalue ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	-0.25311047711201700	0.33360631510357000	-0.758710089266258	10.066364021151200	0.46541965129422900	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.08110479576582390	0.09246588463023440	-0.8771321021818710	5.729484119819930	0.41567370681740000	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaAmphibians	0.154498494515717 0	0.570013930301998	0.2710433663153860	25.179914326679300	0.7885672840404130	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaBirds	0.2265231939825760	0.3565534190586900	0.6353134814429850	10.72083452820030	0.5385474681100620	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

fixed	NA	taxaMammals	-0.47028052086640900	0.3871628534068340	-1.21468399338465000	13.548363237556100	0.2452333331310450	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaAmphibians	0.32187958146933100	0.2521026798439870	1.2767796901981600	68.60125532493180	0.2059850445600750	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaBirds	0.08677220046672310	0.10527882613782100	0.8242132216893150	6.86574844433964	0.4375101873110860	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	0.19269742940454800	0.13762733075737900	1.4001392626312800	20.44145792891550	0.17646712544456000	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.59549479844233000	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	-0.0047022787630870200	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.23408986550731600	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.5056491158657020	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.01222935061934570	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.11902617118760900	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.6232102253284550	NA	NA	NA	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	All	-0.08110479576582390	0.09246588463023440	NA	5.729484119819930	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Amphibians	0.2407747857035070	0.2345331988526740	NA	129.6314066328510	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.0056674047008992100	0.05033578659865980	NA	14.716066106211200	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	0.11159263363872400	0.10193793381734400	NA	211.91288869437900	NA	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Amphibians	-0.32187958146933100	0.2521026798439870	-1.2767796901981600	68.60125532493180	0.5807011310613280	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Birds	-0.08677220046672310	0.10527882613782100	-0.8242132216893150	6.86574844433964	0.8415439708821720	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	All - Mammals	-0.19269742940454800	0.13762733075737900	-1.4001392626312800	20.44145792891550	0.513419146477865	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Birds	0.23510738100260700	0.23987395185091200	0.9801288517926820	116.83639711431100	0.7610289259031090	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Amphibians - Mammals	0.12918215206478200	0.2557286916147990	0.5051531419844270	141.34160923160600	0.9577422372559560	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	-0.10592522893782500	0.11368831850042900	-0.9317160314709510	94.6625543443899	0.7879148896539540	SES_FDiv	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	0.07702529274101980	0.21974372739233100	0.3505232829854510	14.44994880671730	0.731003411143831	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.03223486330310070 0	0.15361231675989900	0.20984556435982100	4.558400370138660	0.8428403010661980	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	-1.0362656033987500	0.67758538575353	-1.5293505810287400	144.54108560118700	0.12836310312175700	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	-0.37356669788500000	0.2326744764192930	-1.6055336349476100	15.538486976119700	0.1285044763449110	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate/Tropical	-0.23296045723079400	0.628268301075039	-0.3707977257999040	81.13292782637620	0.711754590773158	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	-0.07931764488964660	0.3574670700671310	-0.22188797663166900	54.20939264268990	0.8252348854611800	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	0.21345457158456000	0.3066976890891480	0.6959771109410440	16.41864887945690	0.4961778977575540	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.00194691160057670 0	0.16049831316726600	0.01213041783528090	4.909263804120470	0.9907990419907580	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate/Tropical	-0.1498573803120970	0.41657529790295000	-0.35973659760068000	52.44472897181370	0.7204887015676960	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	-0.16934415151077900	0.24490821303237500	-0.6914596673341980	17.076232165158600	0.4985705106915060	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	0.5446779182747810	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.06532537048586890	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.1820872887403460	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	0.2765314680049580	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.24832447094176000	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	0.14635512618969300	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	0.8119694205257920	NA	NA	NA	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	0.03223486330310070 0	0.15361231675989900	NA	4.558400370138660	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.2456894348876600	0.2654556999430970	NA	32.76136302488530	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.03418177490367740	0.04650768398011520	NA	14.061879842811100	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate/Tropical	-0.11762251700899600	0.38721858809022600	NA	79.86006722108770	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	-0.1371092882076780	0.19074404040590000	NA	101.75480935335200	NA	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-0.21345457158456000	0.3066976890891480	-0.6959771109410440	16.41864887945690	0.9545161997645680	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-0.00194691160057670 0	0.16049831316726600	-0.01213041783528090	4.909263804120470	0.9999999930968240	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Temperate/Tropical)	0.1498573803120970	0.41657529790295000	0.3597365976006800 0	52.44472897181370	0.996307413454531	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	0.16934415151077900	0.24490821303237500	0.6914596673341980	17.076232165158600	0.9556406633236710	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.21150765998398300	0.26949896716216600	0.7848180726299870	31.807204292716100	0.9331484363400090	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - (Temperate/Tropical)	0.36331195189665700	0.4694730701487230	0.7738717617638090	80.2891646659938	0.937405877948982	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	0.3827987230953390	0.32687920946834100	1.1710708788055100	45.57203902345970	0.7675634012339300	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - (Temperate/Tropical)	0.1518042919126740	0.3900015379864320	0.3892402391447870 0	79.35337978315420	0.995047402128910 0	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	0.17129106311135600	0.19633199846067300	0.872456168400214	85.4336137695722	0.90621527424832	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Temperate/Tropical) - Tropical	0.01948677119868190 0	0.43164976996745400	0.0451448664044260 0	98.07450190715220	0.9999990406961050	SES_FRic	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	2.1903816929849500	12.506653711382400	0.17513731038954600	30.77202559680440	0.8621190679717850	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-0.009880029135992710	1.1107399952433900	-0.008894997189533770	2.0478433375711000	0.9936936505261140	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climatePolar/Temperate	2.1730197013383400	18.31357726214040	0.11865621174027100	35.375177714347400	0.9062189741320820	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTemperate	9.177204908296100	12.700434981145300	0.7225898106576880	30.959627596983300	0.47535537376761600	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	climateTropical	32.48161676833590	13.85937333934970	2.3436569585807900	32.16839248374900	0.02543556130156630	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climatePolar/Temperate	0.6035122256077870	2.1296145550312100	0.28339035539646800	6.915918750990700	0.7851728398924230	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTemperate	0.5814732945927290	1.161739890070490	0.5005193499531550	2.209908022650170	0.6621549722761290	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:climateTropical	1.5162857329673000	1.585772387615880	0.9561811927164090	4.877803094001000	0.3839325318792560	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	4.727464161182980	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.22786742658899500	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	1.4042050700908600	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	12.499475129738000	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	0.08531609735445300	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	1.0814392918522400	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	2.5915222580787200	NA	NA	NA	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Global	-0.009880029135992710	1.1107399952433900	NA	2.0478433375711000	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Polar/Temperate	0.593632196471794	1.8170071039947800	NA	14.493439495048600	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Temperate	0.5715932654567360	0.34043536118872400	NA	6.407222193736870	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
group_slope	climate	Tropical	1.5064057038313100	1.1317821028323800	NA	21.12561620399860	NA	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - (Polar/Temperate)	-0.6035122256077870	2.1296145550312100	-0.28339035539646800	6.915918750990700	0.9913523686157280	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Temperate	-0.5814732945927290	1.161739890070490	-0.5005193499531550	2.209908022650170	0.9523193357872820	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Global - Tropical	-1.5162857329673000	1.585772387615880	-0.9561811927164090	4.877803094001000	0.7788142068316170	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Temperate	0.02203893101505780 0	1.848624096758230	0.011921802303510800	14.019738095237800	0.9999993595466820	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	(Polar/Temperate) - Tropical	-0.9127735073595150	2.1406647435456100	-0.42639722549346000	16.03336387767140	0.9731102557178420	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
contrast	climate	Temperate - Tropical	-0.9348124383745730	1.1818743433374700	-0.790957552843371	18.556739278436600	0.8576262662442760	CWM_diet_fruit	value ~ year_scaled * climate + (year_scaled|study_id/rarefyID)
fixed	NA	(Intercept)	3.811368334617270	1.6863428901662200	2.2601384077004600	17.047394632299300	0.03718760854047020	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	0.05027996763460540	0.6997626694971230	0.07185288645182890	15.770264363480100	0.9436223516222390	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	taxaMammals	2.292364786753500	5.241384438887040	0.43735864321378900	17.722560776832800	0.6671342622379800	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled:taxaMammals	-1.9065282383819000	2.4179054028733500	-0.7885040647645920	18.41672423526550	0.4404344120482090	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	1.6764478687573100	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.3620527308724190	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	0.5127085829111470	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	6.688784587963090	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-0.8815704756224870	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	2.71630369043786	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	1.03173889606118	NA	NA	NA	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Birds	0.05027996763460540	0.6997626694971230	NA	15.770264363480100	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
group_slope	taxa	Mammals	-1.856248270747300	2.3144327044920500	NA	18.636091434650200	NA	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)
contrast	taxa	Birds - Mammals	1.9065282383819000	2.4179054028733500	0.7885040647645920	18.41672423526550	0.4404344120482090	CWM_diet_nect	value ~ year_scaled * taxa + (year_scaled|study_id/rarefyID)

fixed	NA	(Intercept)	1887.7904796815400	672.3404716237340	2.807789445015010	1.2944623876539800	0.16974280012640800	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
fixed	NA	year_scaled	-813.7277263003750	601.5379014668070	-1.3527455615284700	1.4497450473658000	0.3490463194624140	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__(Intercept)	309.7792767525220	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	cor__(Intercept).year_scaled	0.9999999999994310	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	rarefyID:study_id	sd__year_scaled	200.44213584242600	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__(Intercept)	1060.9633429150600	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	cor__(Intercept).year_scaled	-1	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	study_id	sd__year_scaled	844.1310644990070	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)
ran_pars	Residual	sd__Observation	500.28719145436100	NA	NA	NA	NA	CWM_litter_size_max_n	value ~ year_scaled + (year_scaled|study_id/rarefyID)